

HALLIBURTON

DUAL SPACED NEUTRON
SPECTRAL DENSITY
BOREHOLE COMP SONIC
ARRAY COMPENSATED
TRUE RESISTIVITY

COMPANY		BRIDGE ENERGY, LLC	
WELL		ML INVESTMENTS 1-10	
FIELD		WILDCAT	
COUNTY		PAYETTE	
STATE		IDAHO	
Location		API No. 11075200070000 SHL: 862.9' FNL & 2301.3' FWL, NENW LAT: 44° 03' 04.08" N LONG: 116° 48' 12.25" W	
Other Services: RWCH			
Sect. 10		Twp. 8N	
Rge. 4W			
Permanent Diameter		GL	
Log measurement		KB	
Drilling measurement		KB	
Date		13-Mar-10	
Run No.		ONE	
Depth - Driller		8604.00 ft	
Depth - Logger		6791.0 ft	
Bottom - Logger Interval		6789 ft	
Top - Logger Interval		100 ft	
Casing - Driller		9.625 in @ 839.0 ft	
Casing - Logger		840.0 ft	
Bit Size		8.750 in	
Type Fluid in Hole		WBM	
Density		9.6 ppg	
Viscosity		59.00 s/qt	
PH		7.50 pH	
Fluid Loss		7.4 cpm	
Source of Sample		FLOW LINE	
Rm @ Meas. Temperature		3.59 ohmm @ 70.00 degF	
Rmf @ Meas. Temperature		3.12 ohmm @ 67.00 degF	
Rmc @ Meas. Temperature		3.17 ohmm @ 68.00 degF	
Source Rmf		MEAS	
Rm @ BHT		1.09 ohmm @ 245.0 degF	
Time Since Circulation		6.0 hr	
Time on Bottom		13-Mar-10 11:07	
Max. Rec. Temperature		245.0 degF @ 6750.0 ft	
Equipment		10842680	
Location		ROCK SPRING	
Recorded By		F. LODER	
Witnessed By		R. RICHARDS	
		J. KIRN	

Fold here

Service Ticket No.: 7231991				API Serial No.: 11075200070000				PGM Version: WL INSITE R2.6.1 (Build 9)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE								RESISTIVITY SCALE CHANGES											
Date		Sample No.						Type Log		Depth		Scale Up Hole		Scale Down Hole					
Depth-Driller																			
Type Fluid in Hole																			
Density		Viscosity																	
Ph		Fluid Loss																	
Source of Sample								RESISTIVITY EQUIPMENT DATA											
Rm @ Meas. Temp		@		@		Run No.		Tool Type & No		Pad Type		Tool Pos.		Other					
Rmf @ Meas. Temp.		@		@		ONE		ACRT-487-S48		N/A		CENT.		N/A					
Rmc @ Meas. Temp.		@		@															
Source Rmf		Rmc																	
Rm @ BHT		@		@															
Rmf @ BHT		@		@															
Rmc @ BHT		@		@															
EQUIPMENT DATA																			
GAMMA				ACOUSTIC				DENSITY				NEUTRON							
Run No.		ONE		Run No.		ONE		Run No.		ONE		Run No.		ONE					
Serial No.		10842354		Serial No.		10939067		Serial No.		10733075		Serial No.		10839203					
Model No.		GTET-I		Model No.		BSAT-I		Model No.		SDLT-I		Model No.		DSNT-I					
Diameter		3.625"		No. of Cent.		2		Diameter		4.5"		Diameter		3.625"					
Detector Model No.		102-T		Spacing		10.5"		Log Type		CAM-CAM		Log Type		NEU-NEU					
Type		SCINT						Source Type		06-107		Source Type		Am241Be					
Length		8"		LSA [Y/N]		N		Serial No.		6116GW		Serial No.		DSN-431					
Distance to Source		10'		FWDA [Y/N]		N		Strength		1.5 Ci		Strength		15 Ci					
LOGGING DATA																			
GENERAL				GAMMA				ACOUSTIC				DENSITY				NEUTRON			

GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R	
ONE	6791'	100'	REC	0 API	200.4 PI	40%	0 %	55.5 us/ft	40%	0 %	SAND
DIRECTIONAL INFORMATION											
Maximum Deviation						@	KOP			@	
Remarks: RWCH-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-HOLE FINDER RAN IN COMBINATION											
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH PRODUCTION CASING											
BOWSPRING AND CENTRALIZERS RAN											
TENSION PULLS AFFECT LOG RESPONSE											
CREW: D. MILLER, K. WEST, J. DAVIS											
RIG: ENSIGN 516											
THANK YOU FOR USING HALLIBURTON ENERGY SERVICES, ROCK SPRINGS, WY ***307.825.8200***											
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.											
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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDWT	Borehole Fluid Weight	9.600	ppg
	SHARED	OBM	Oil Based Mud System?	No	
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	6800.00	ft
	SHARED	BHT	Bottom Hole Temperature	200.0	degF
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
	Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GRSO	Gamma Tool Standoff	0.000	in

GTET	GEOK	Process Gamma Ray EVR?	No	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Sandstone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.000	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	AD	Is Hole Air Drilled?	No	
SDLT	CB	Logging Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	MDTP	Weighted Mud Correction Type?	None	
SDLT	DMA	Formation Density Matrix	2.680	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Semblance Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Semblance Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Sandstone 55.5	
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Free Hanging	
ACRt	RMOP	Rmud Source	Mud Cell	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohm-m
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohm-m

BOTTOM

Data: BDG_ML_INV_1_10\0001 QUAD\005 13-Mar-10 11:25 Up @6809.5f

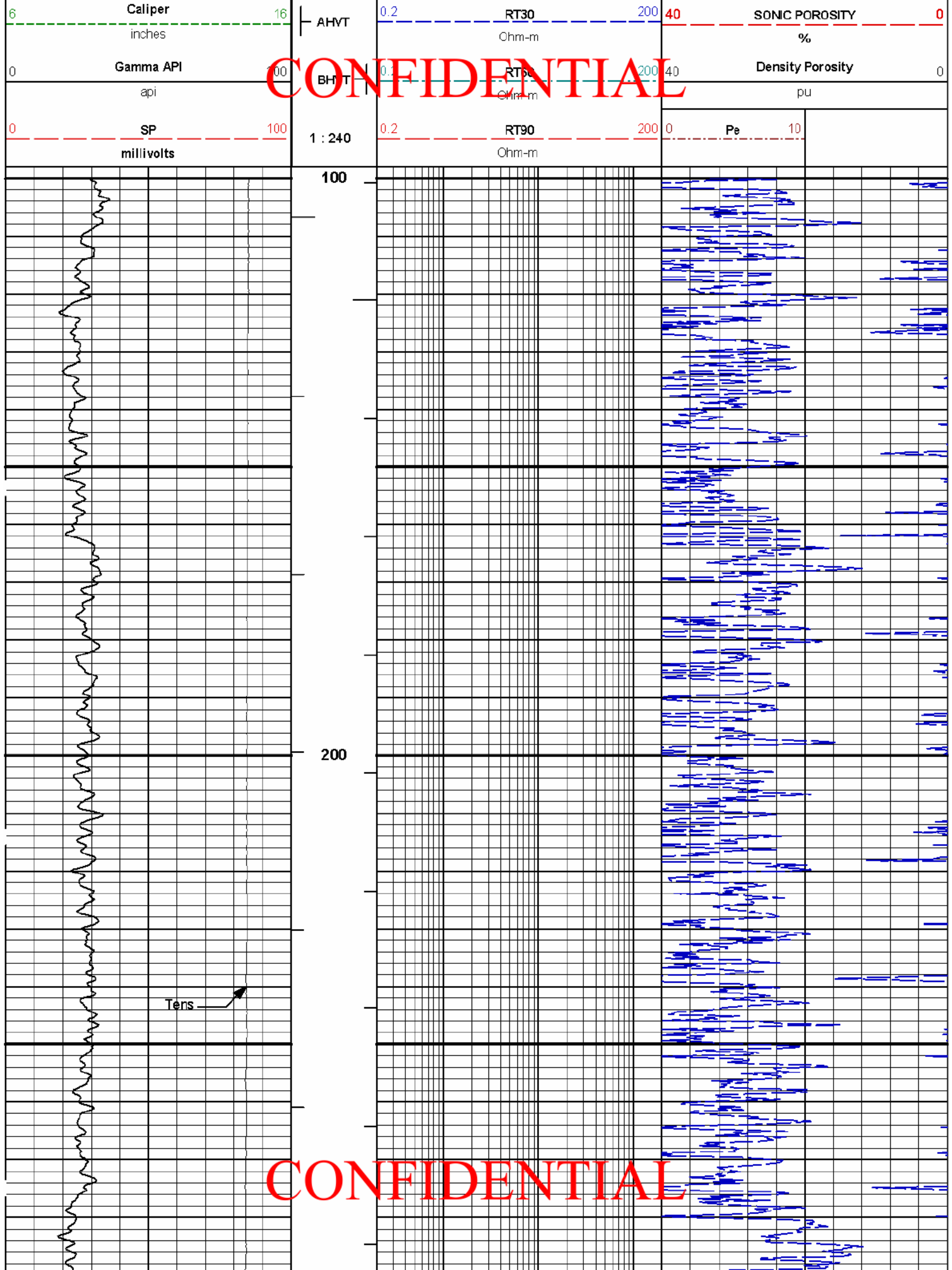
Date: 13-Mar-10 12:59:31

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Plot Time: 13-Mar-10 14:21:40
Plot Range: 98 ft to 6808.92 ft
Data: {ActiveWell}\Well Based\MAIN*
Plot File: \COMPIQ_COMPOSITE_ACRt_5IN_RM

MAIN PASS 5" = 100'





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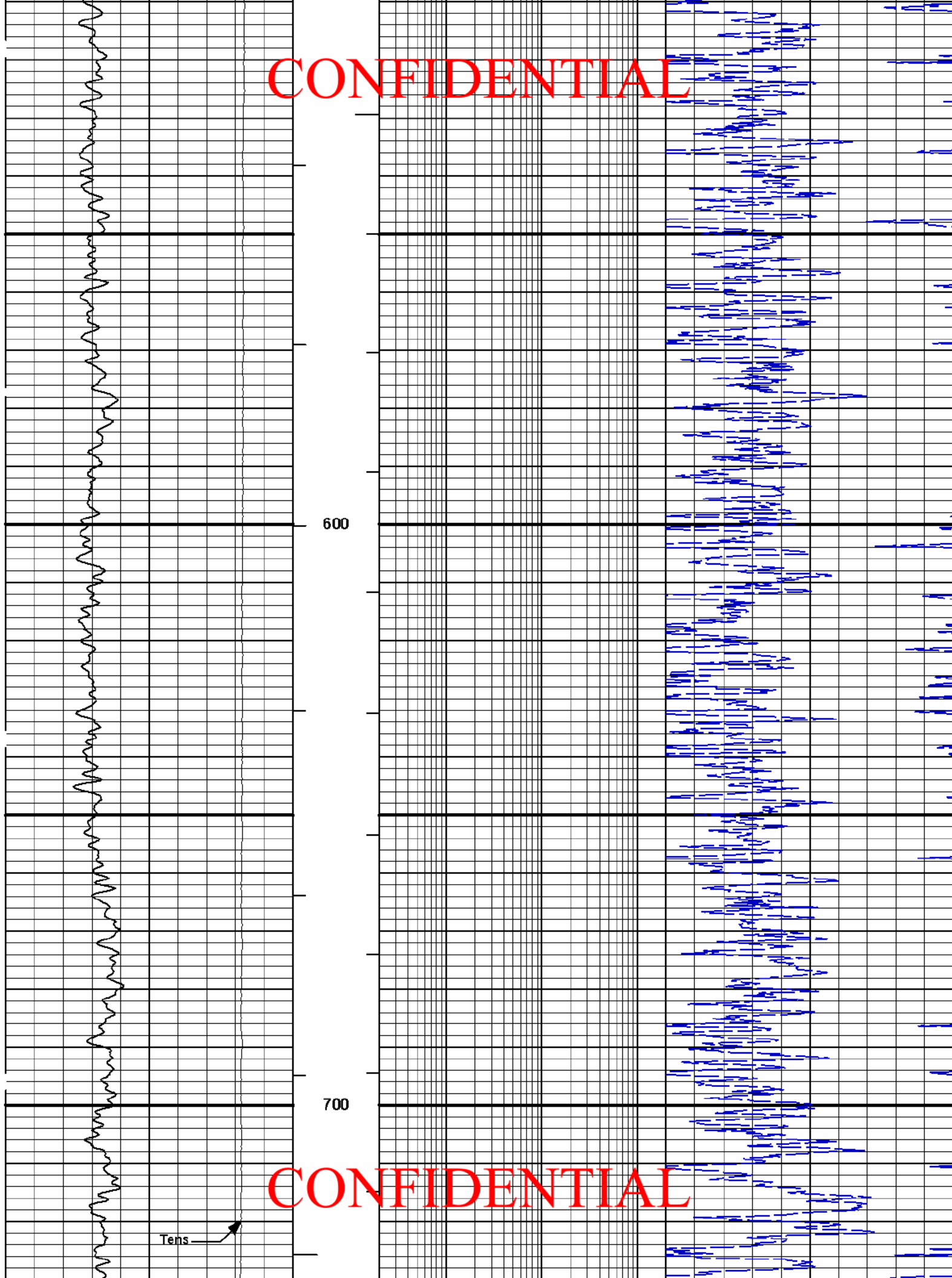
400

Tens

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500

CONFIDENTIAL



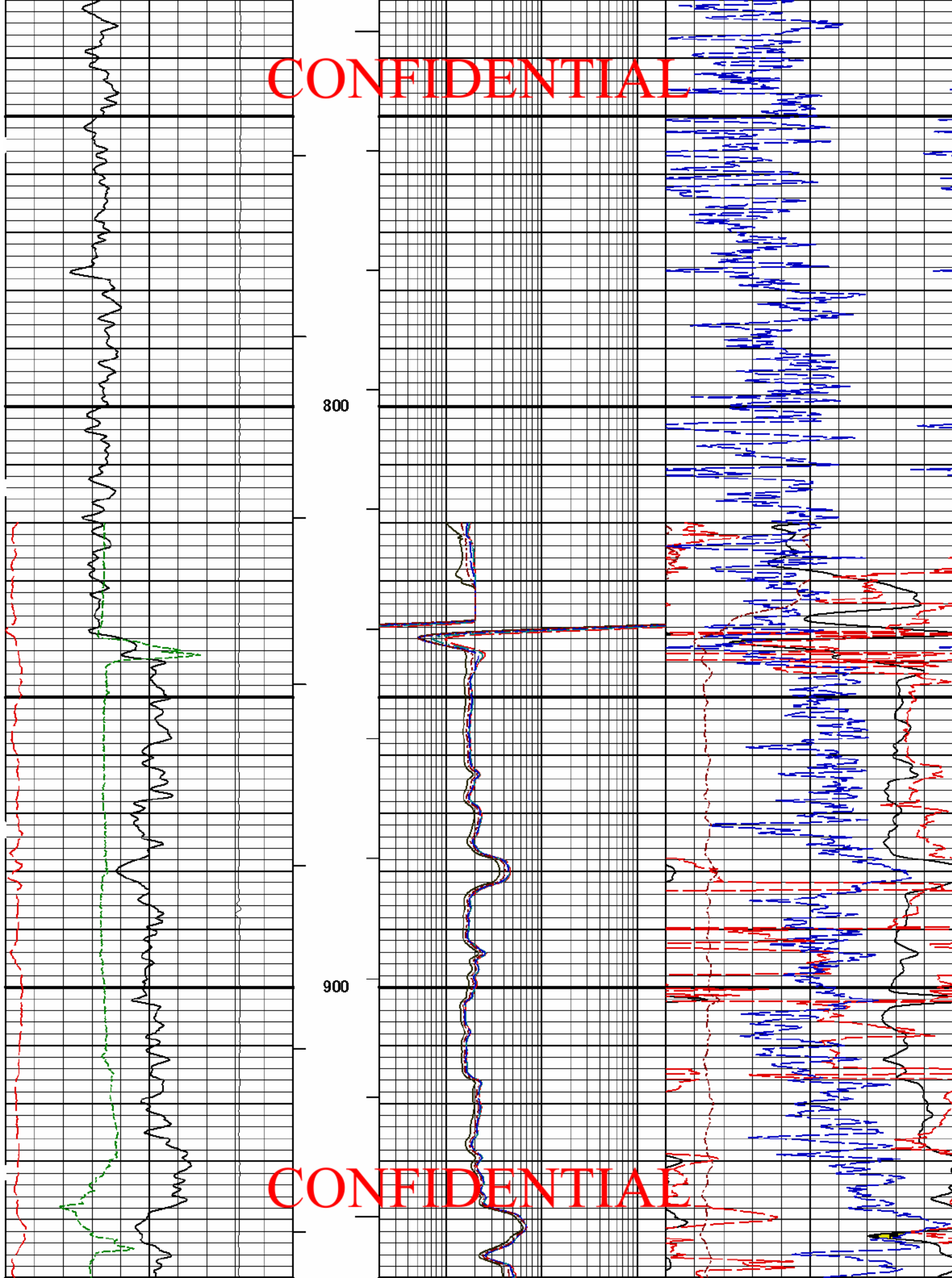
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700

Tens

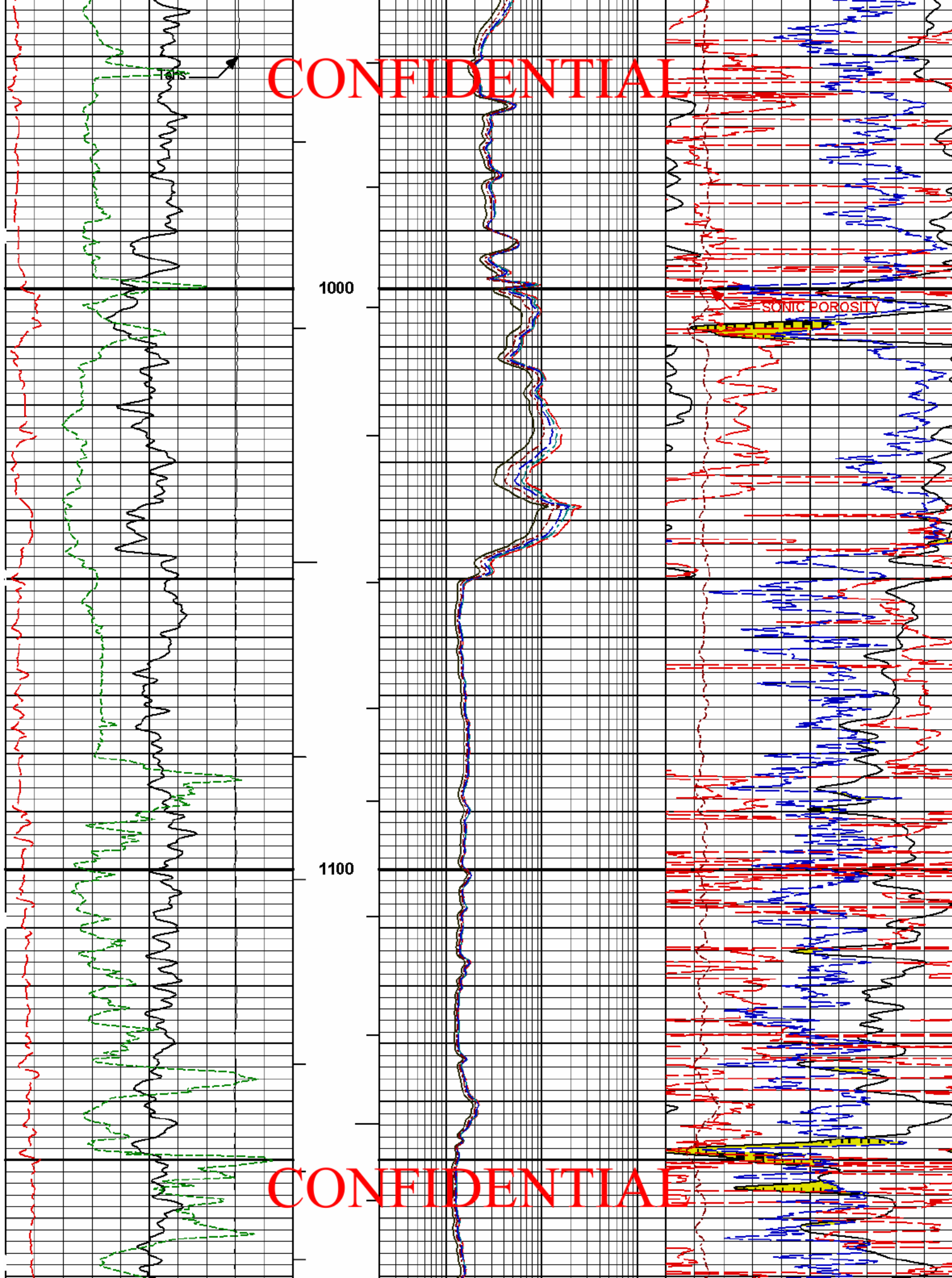
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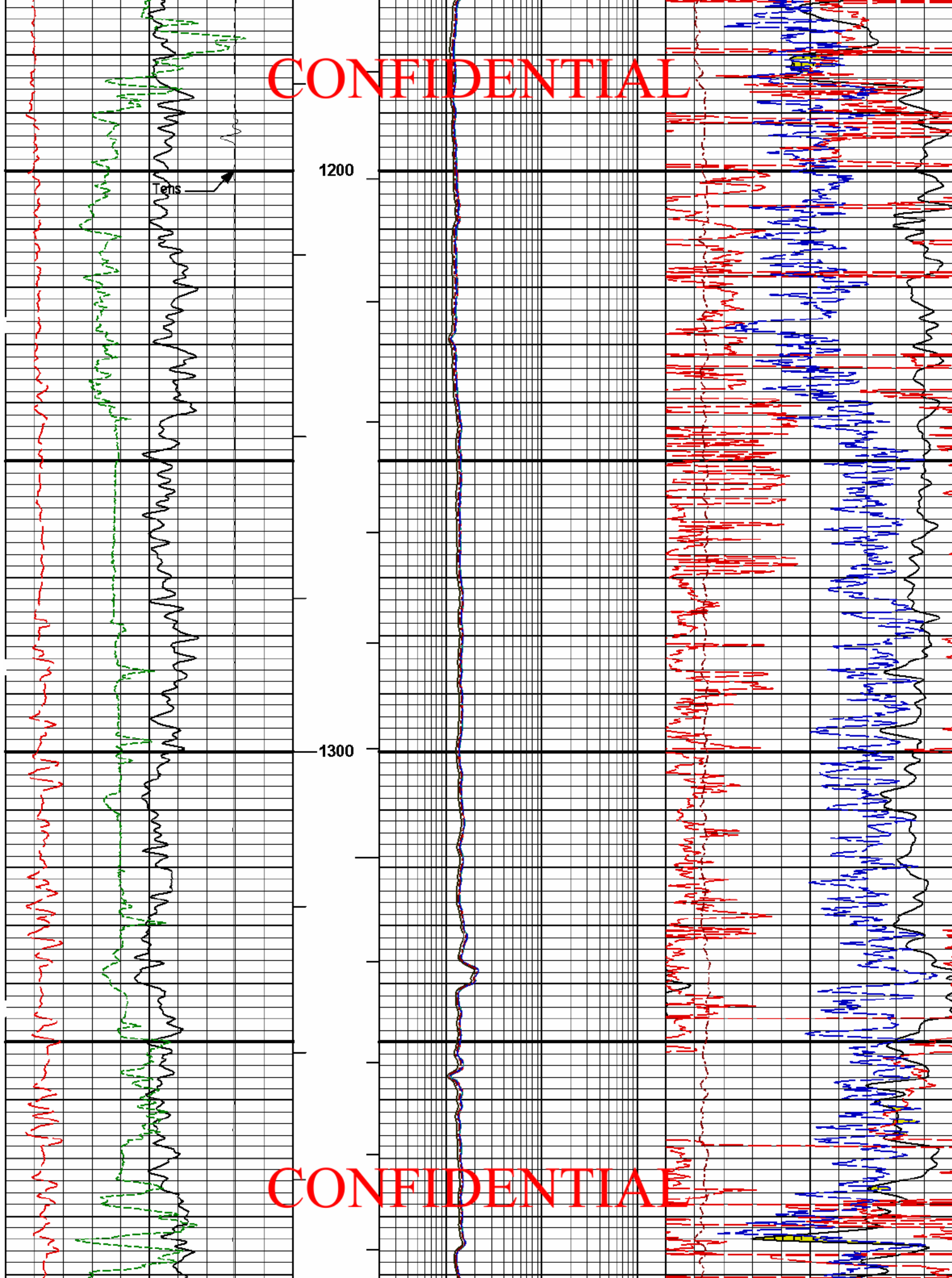


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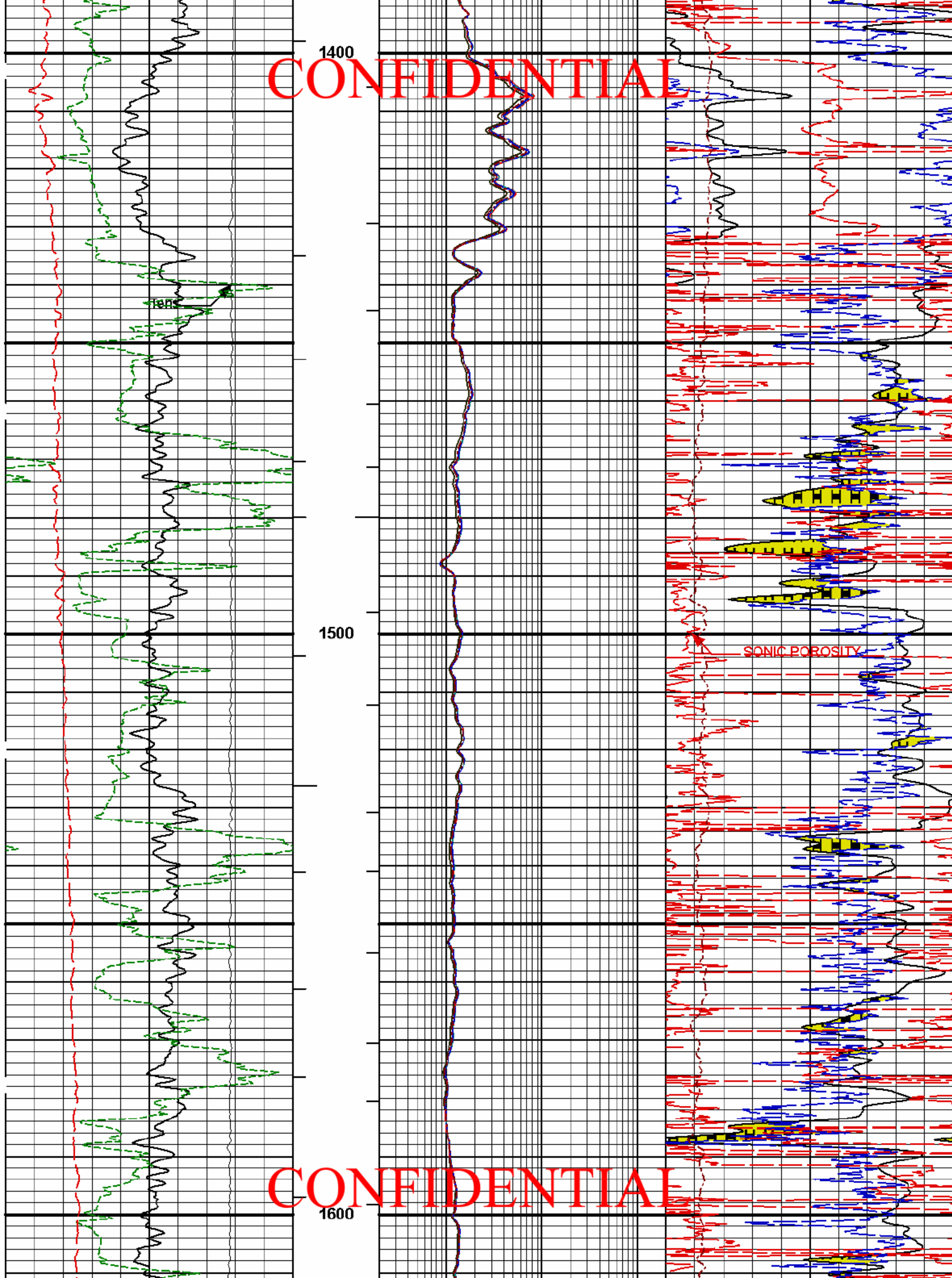


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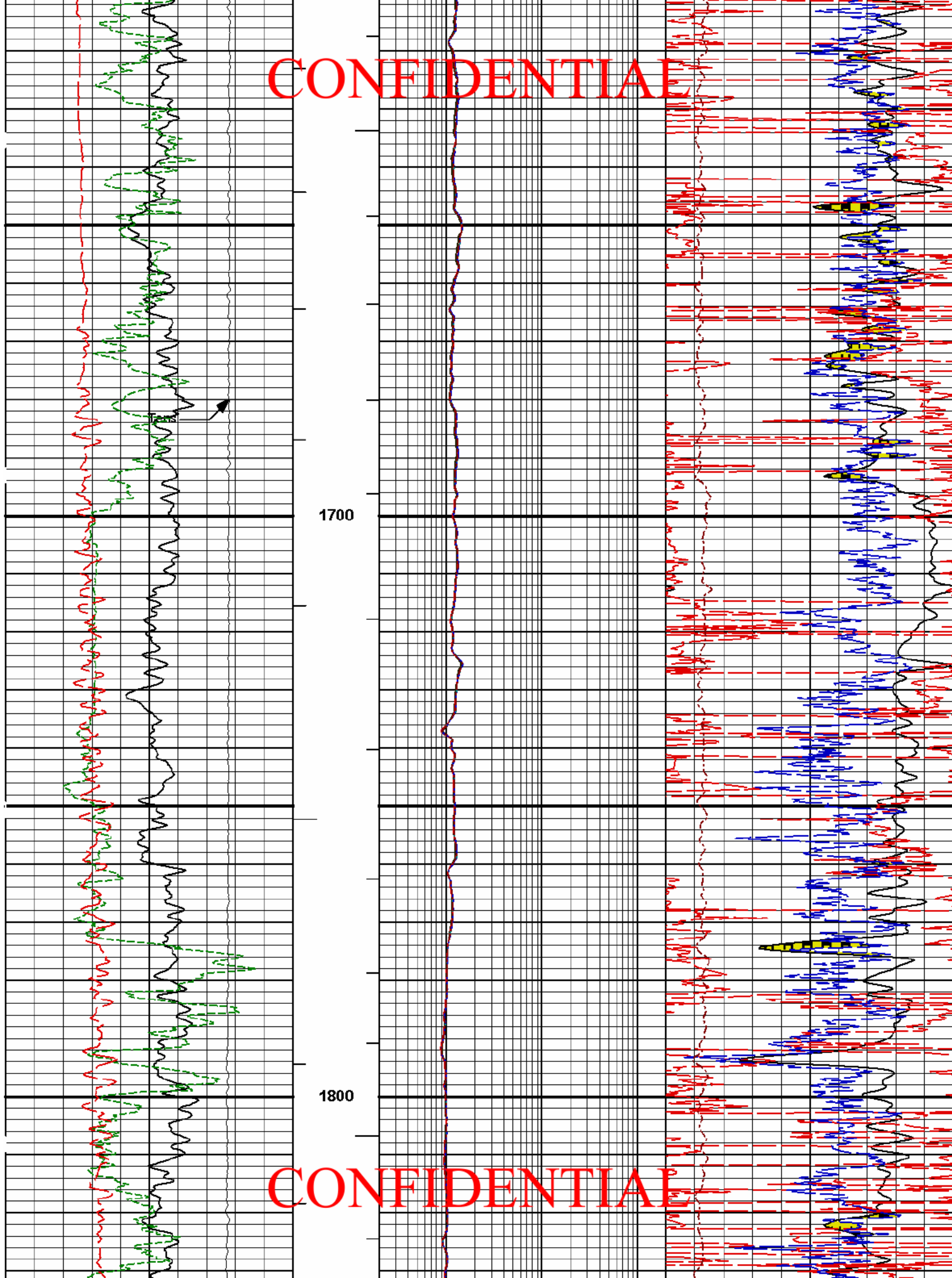


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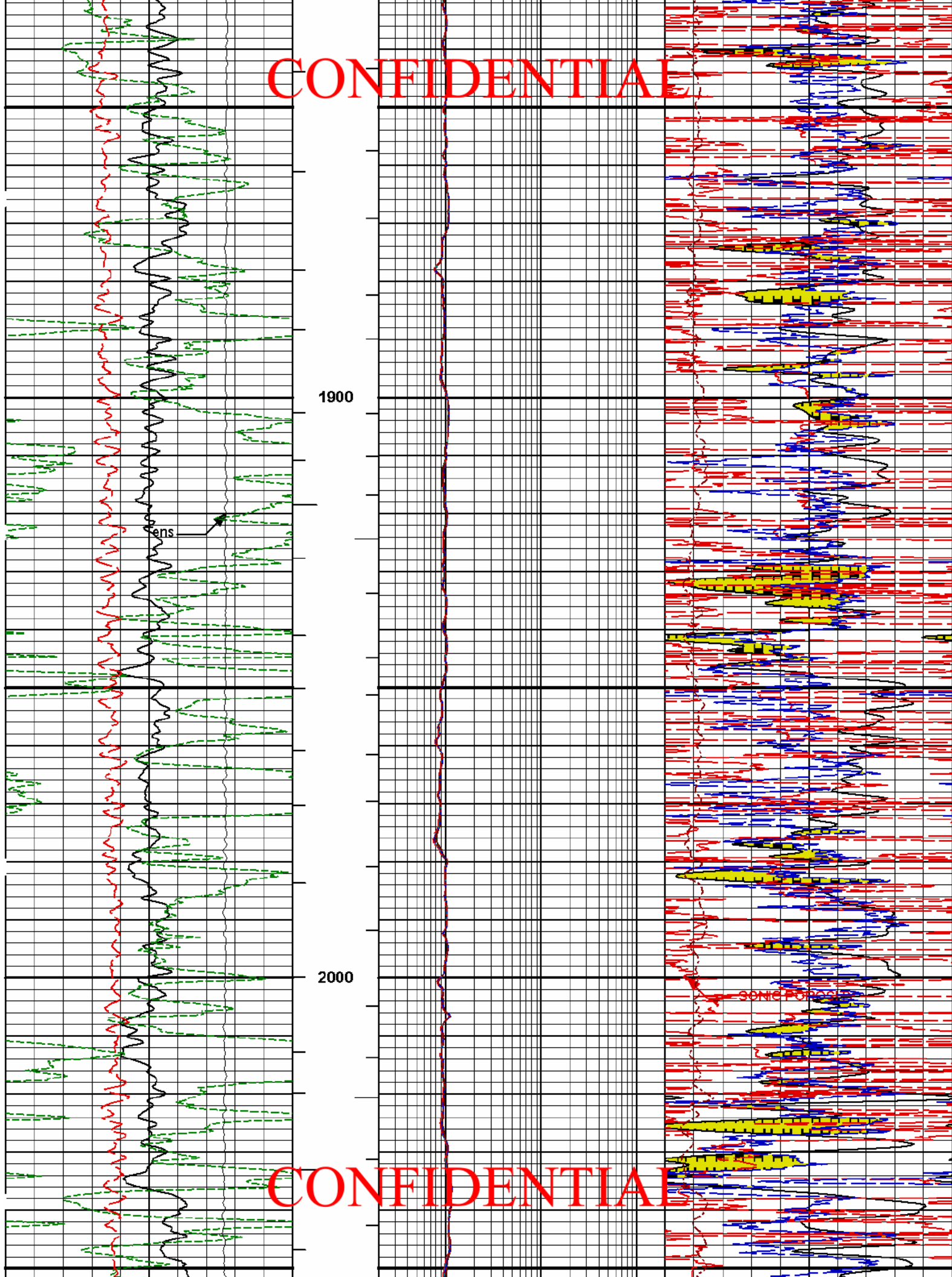


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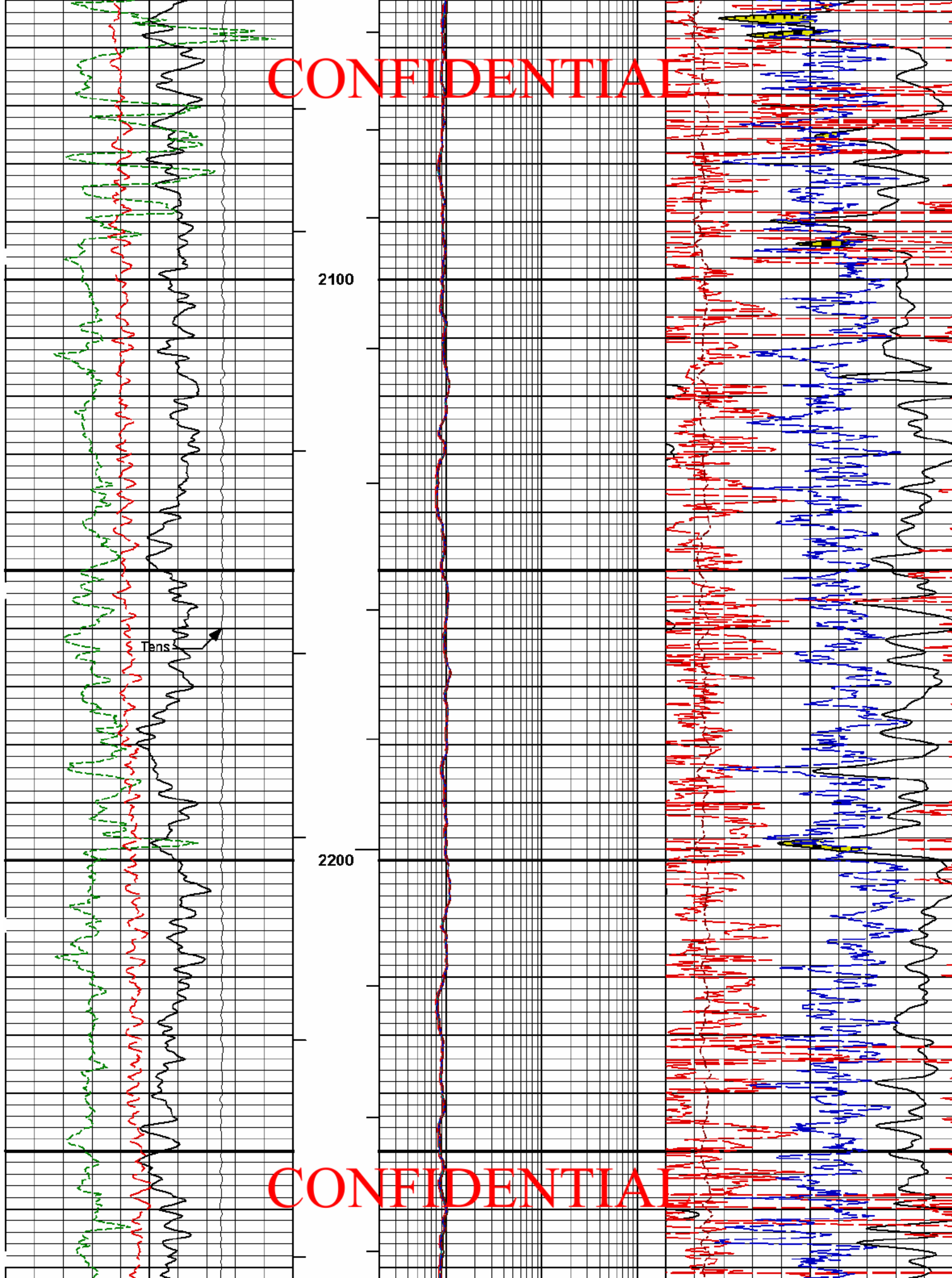


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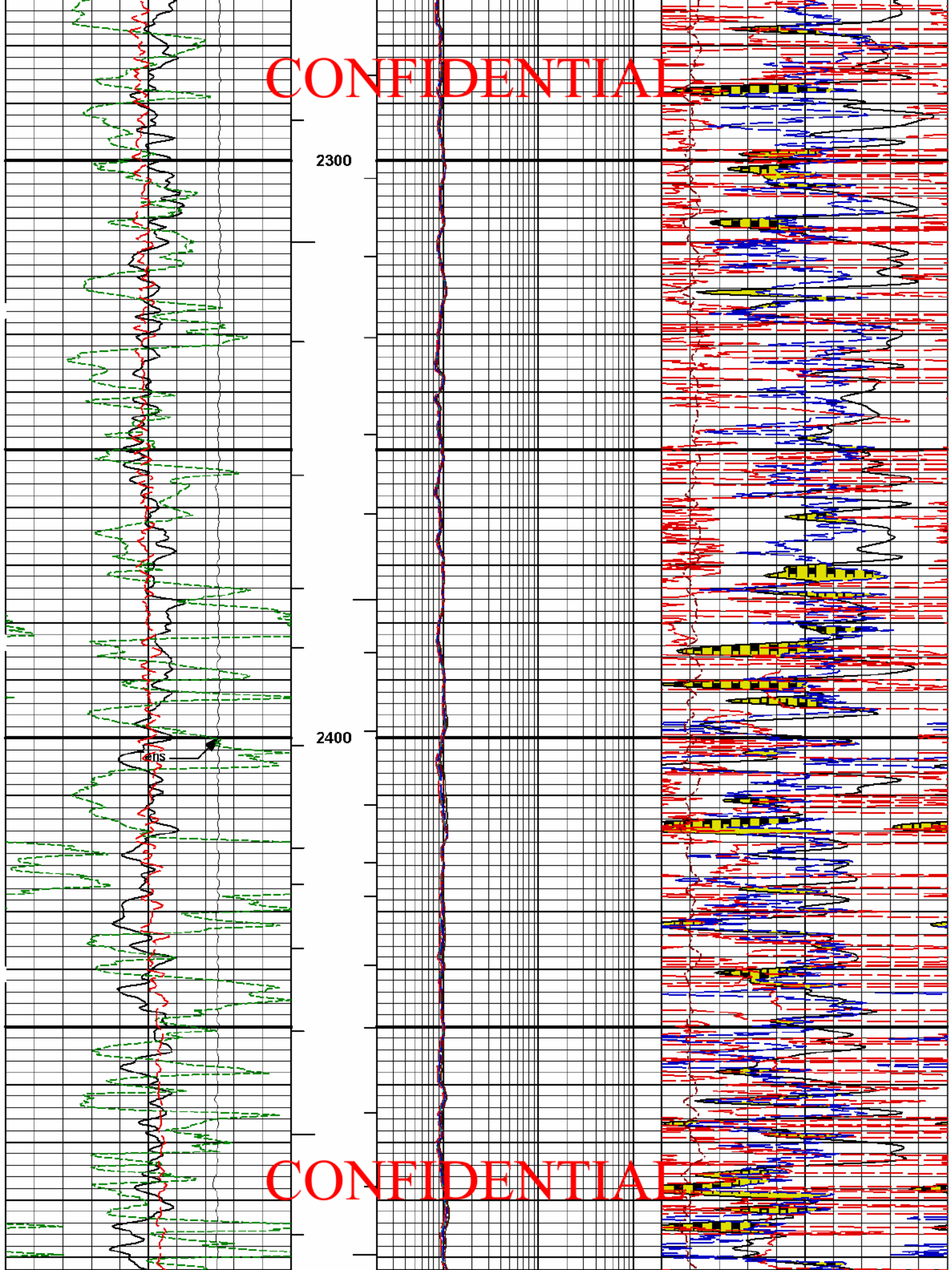


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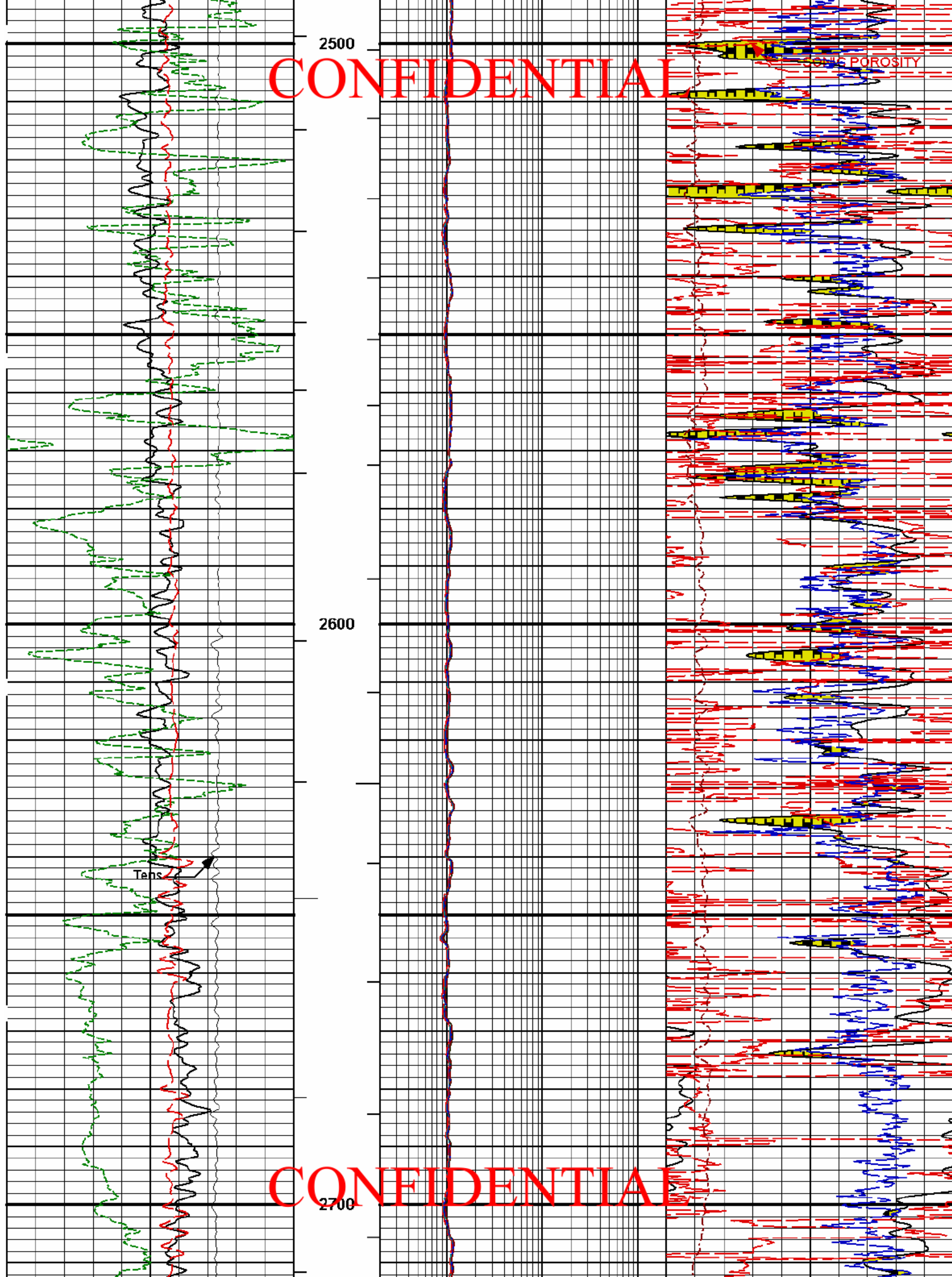


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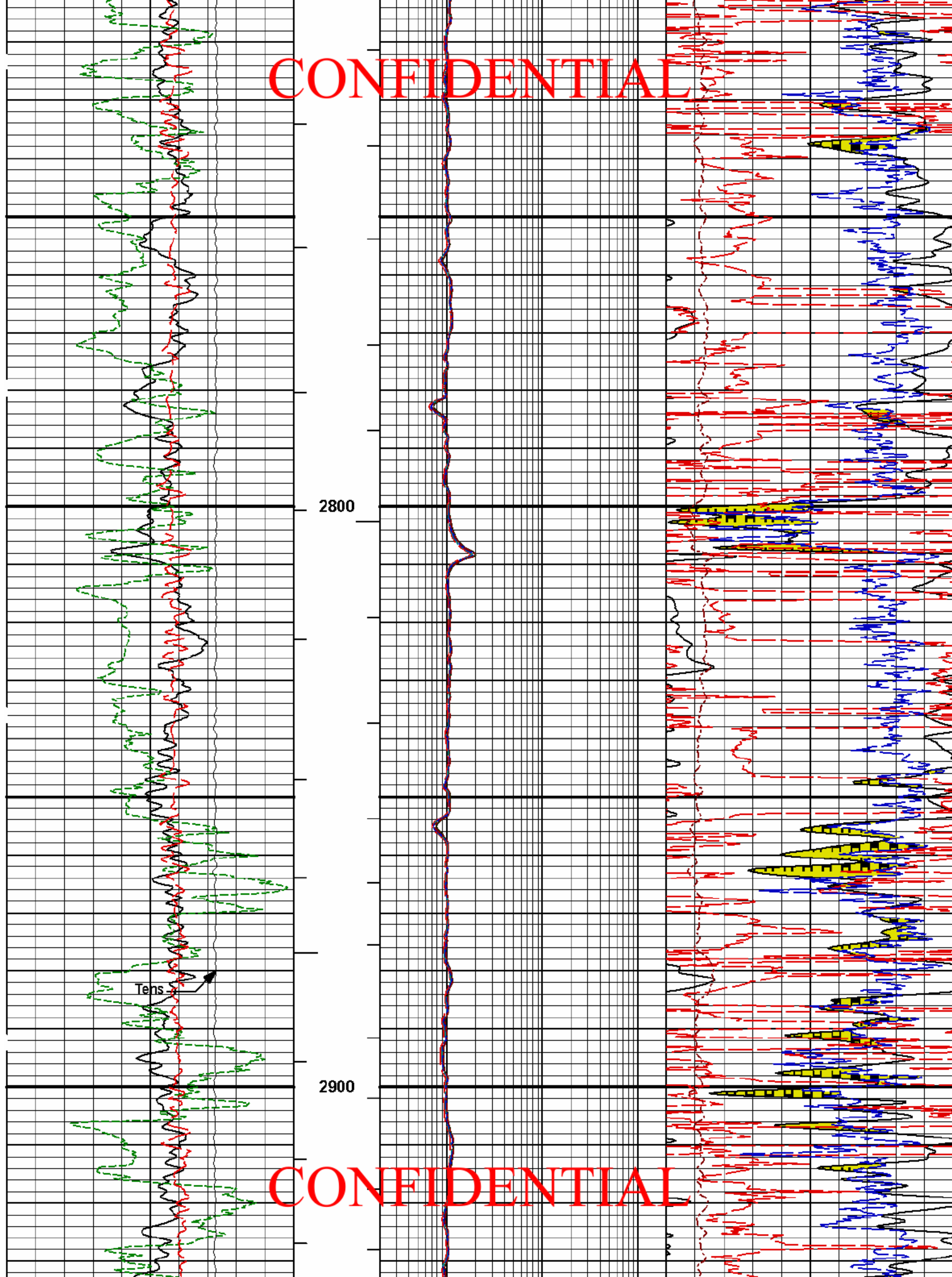


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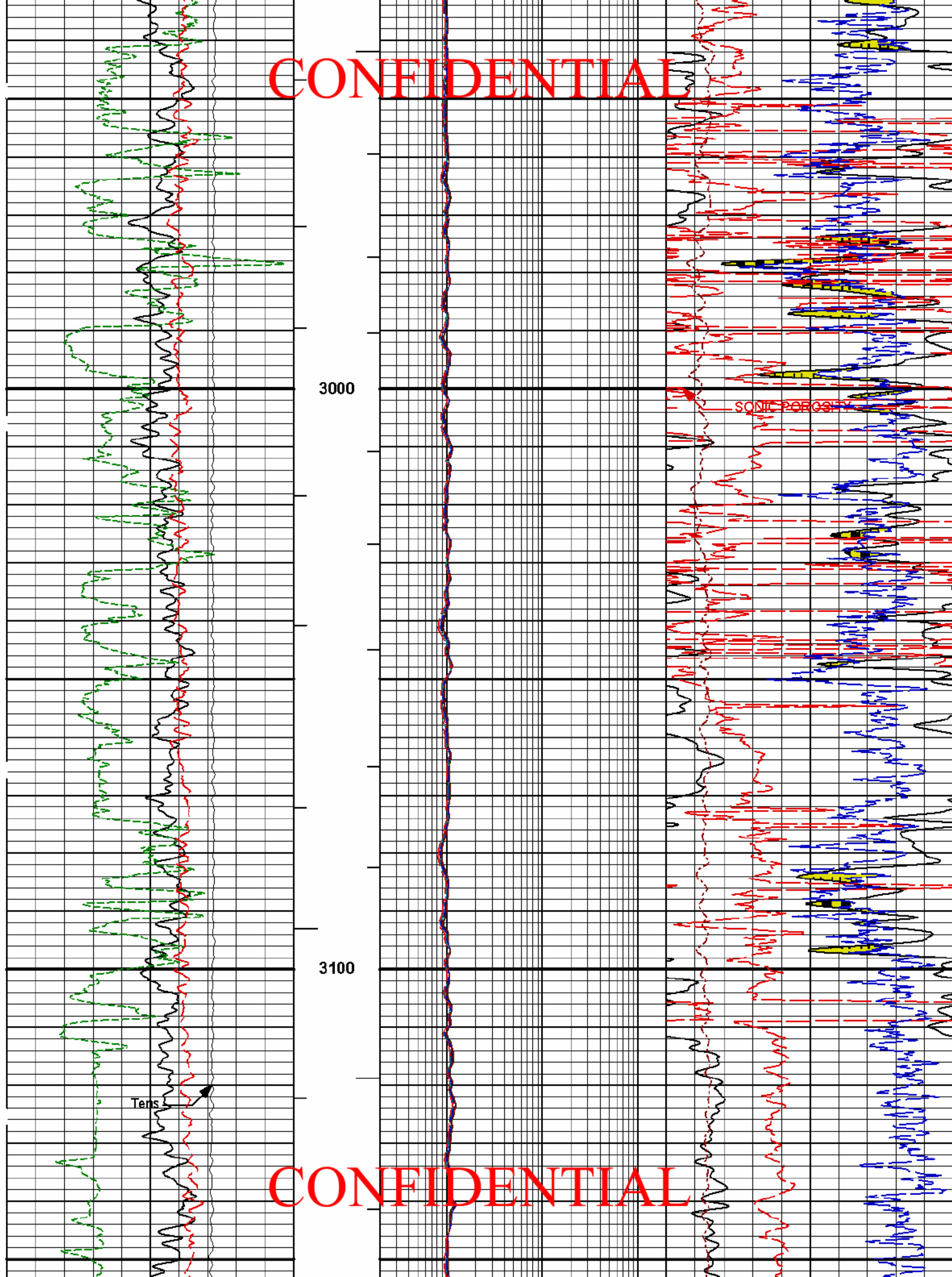
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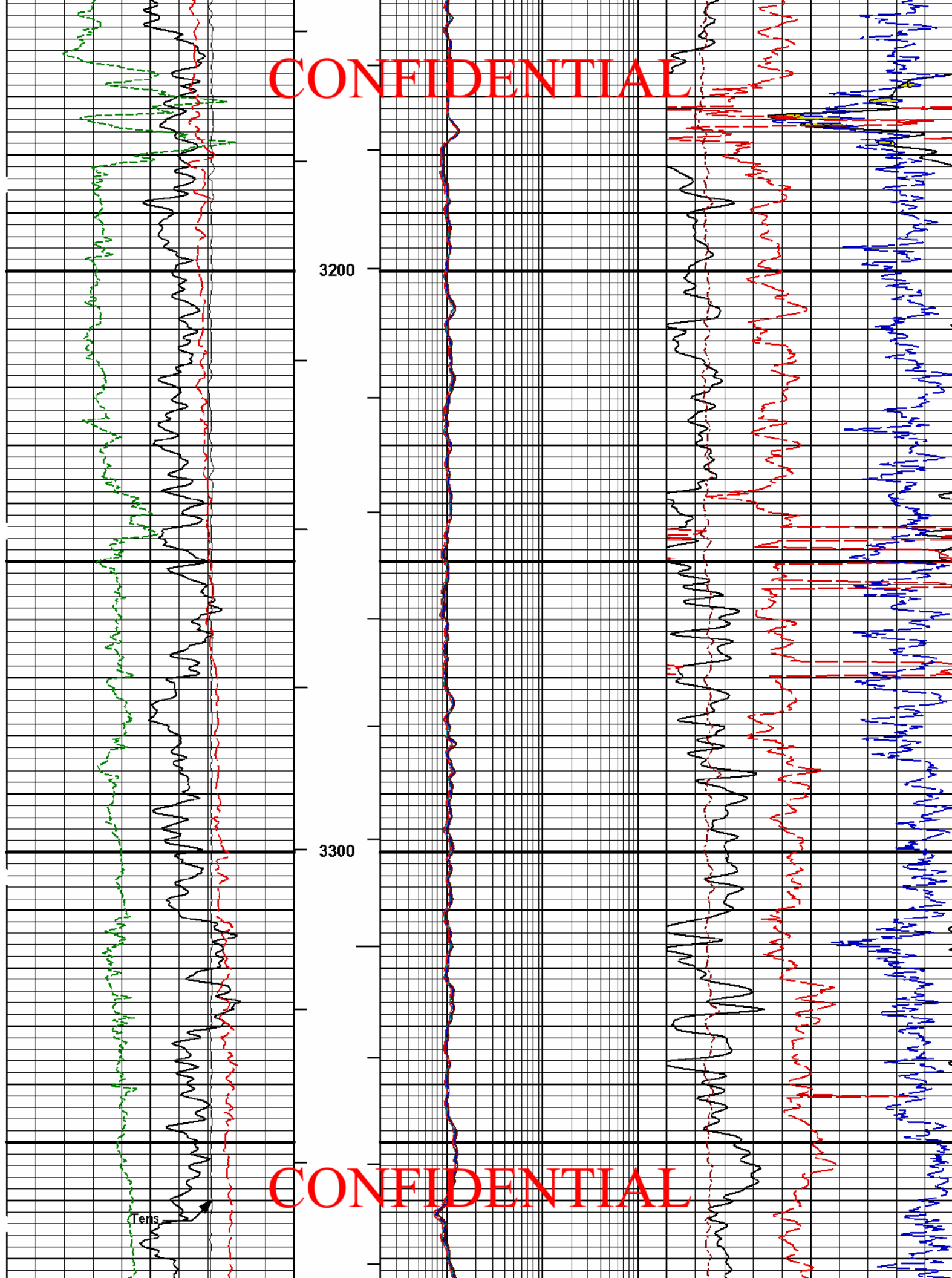
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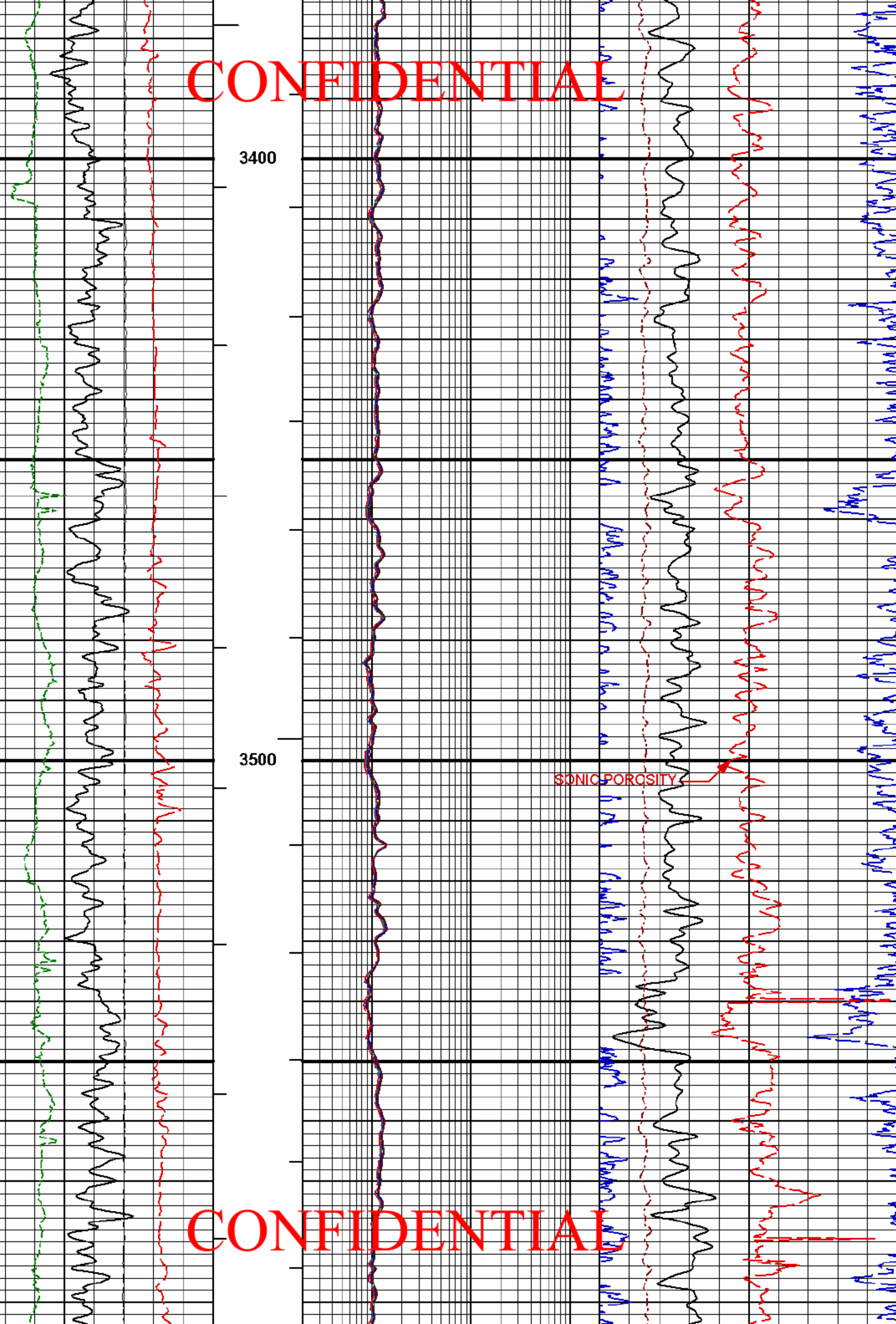
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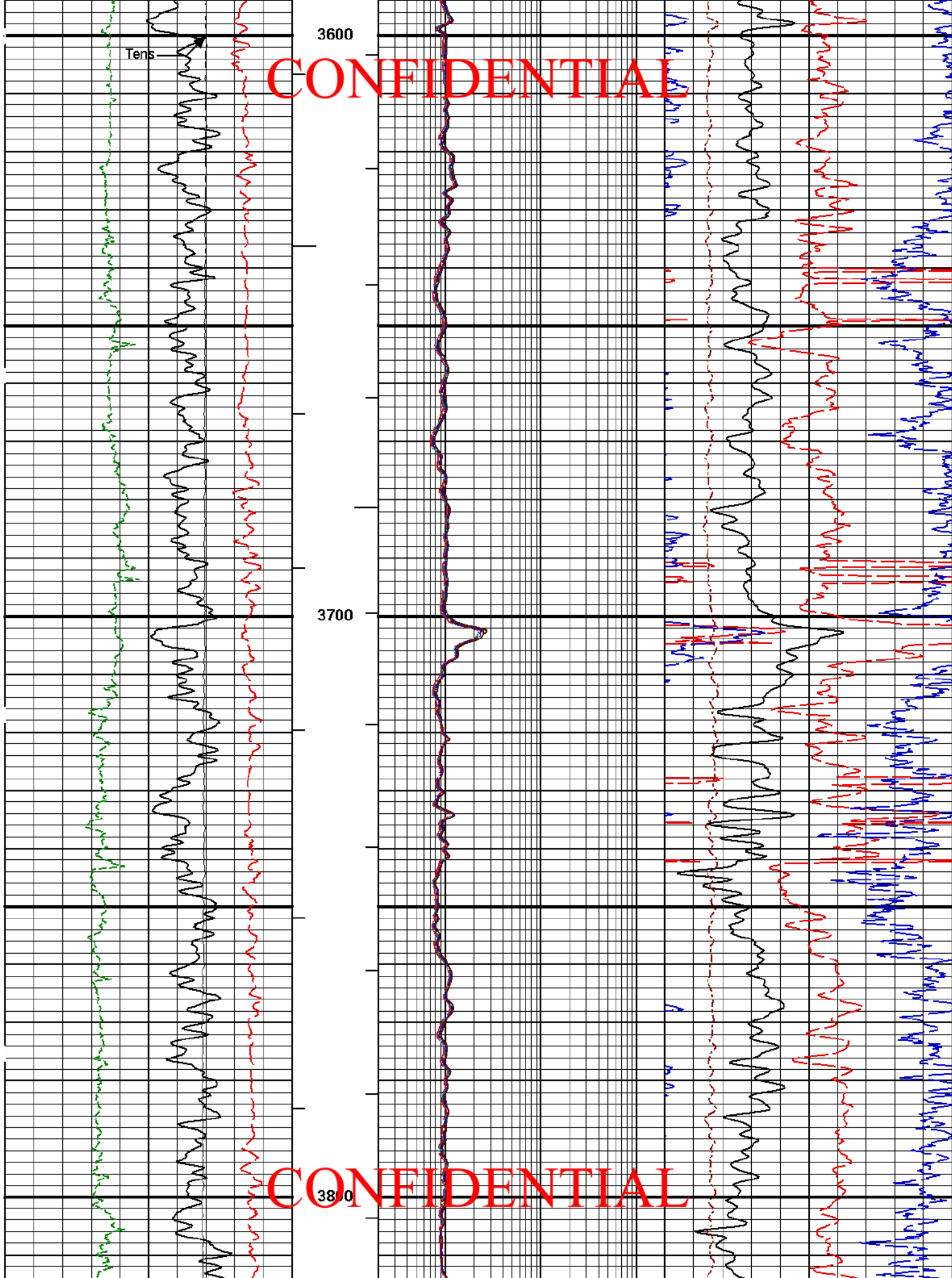
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3700

3800

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Tens

3900

4000

SONIC POROSITY

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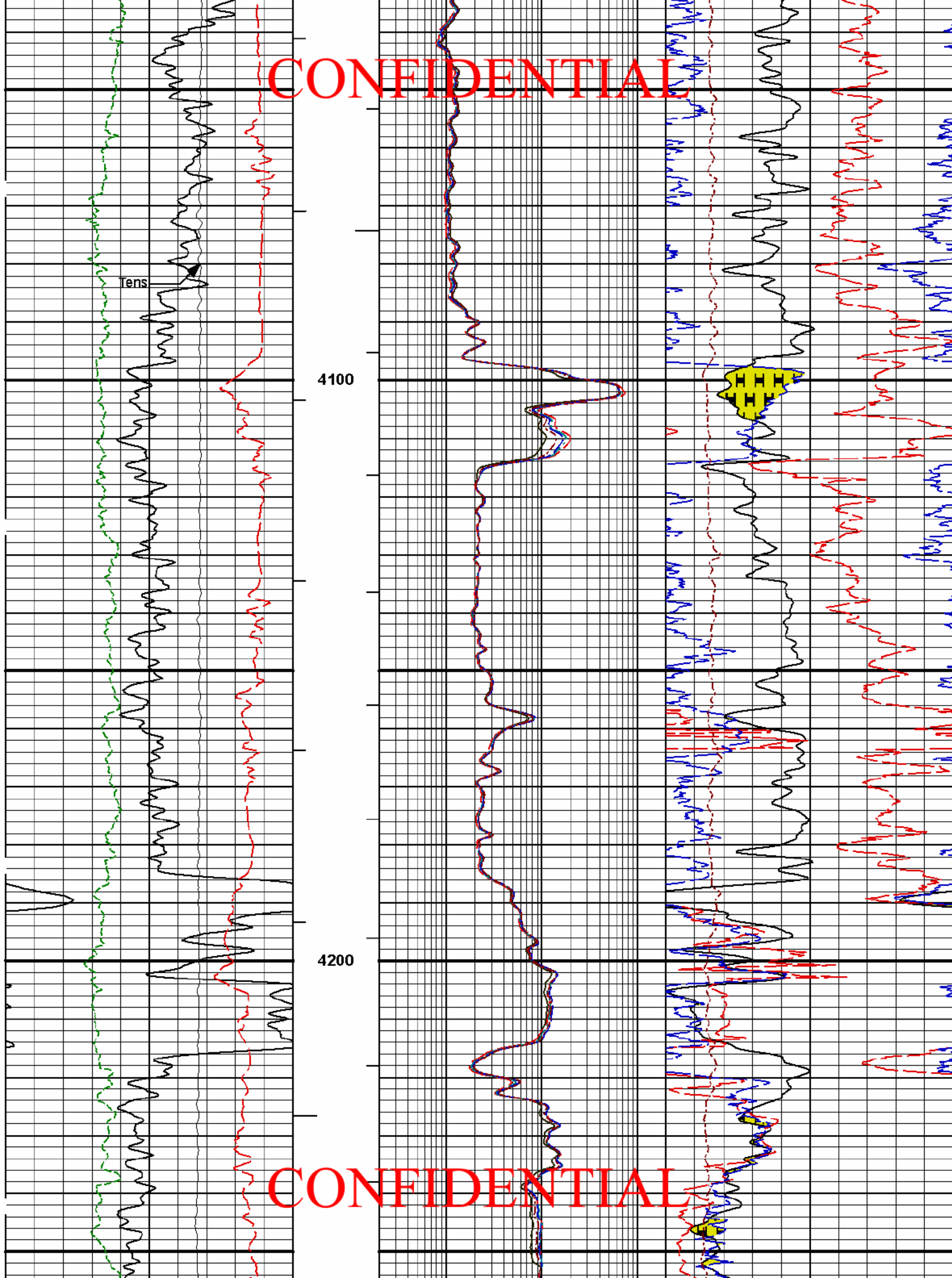
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tens

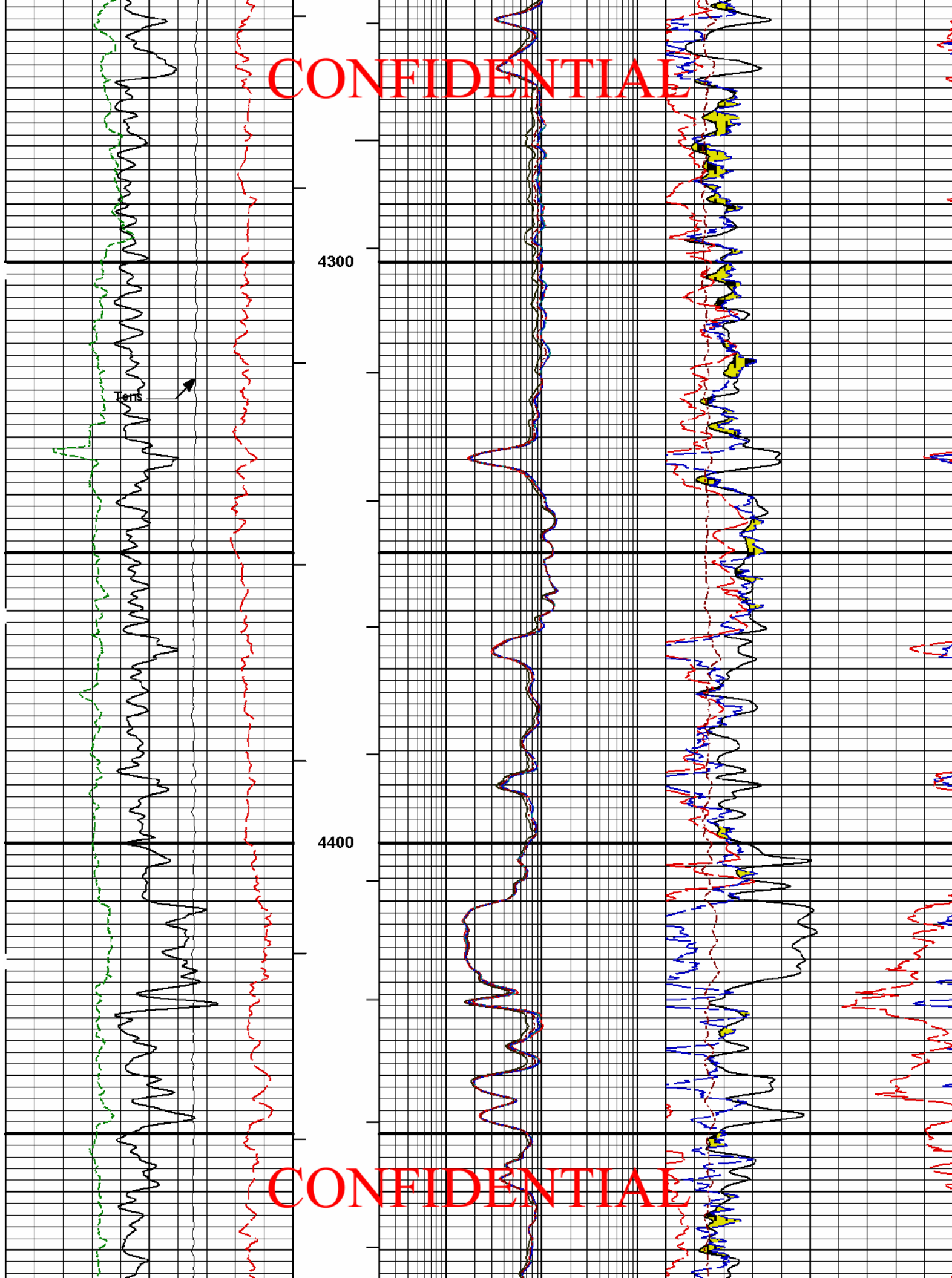
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4200

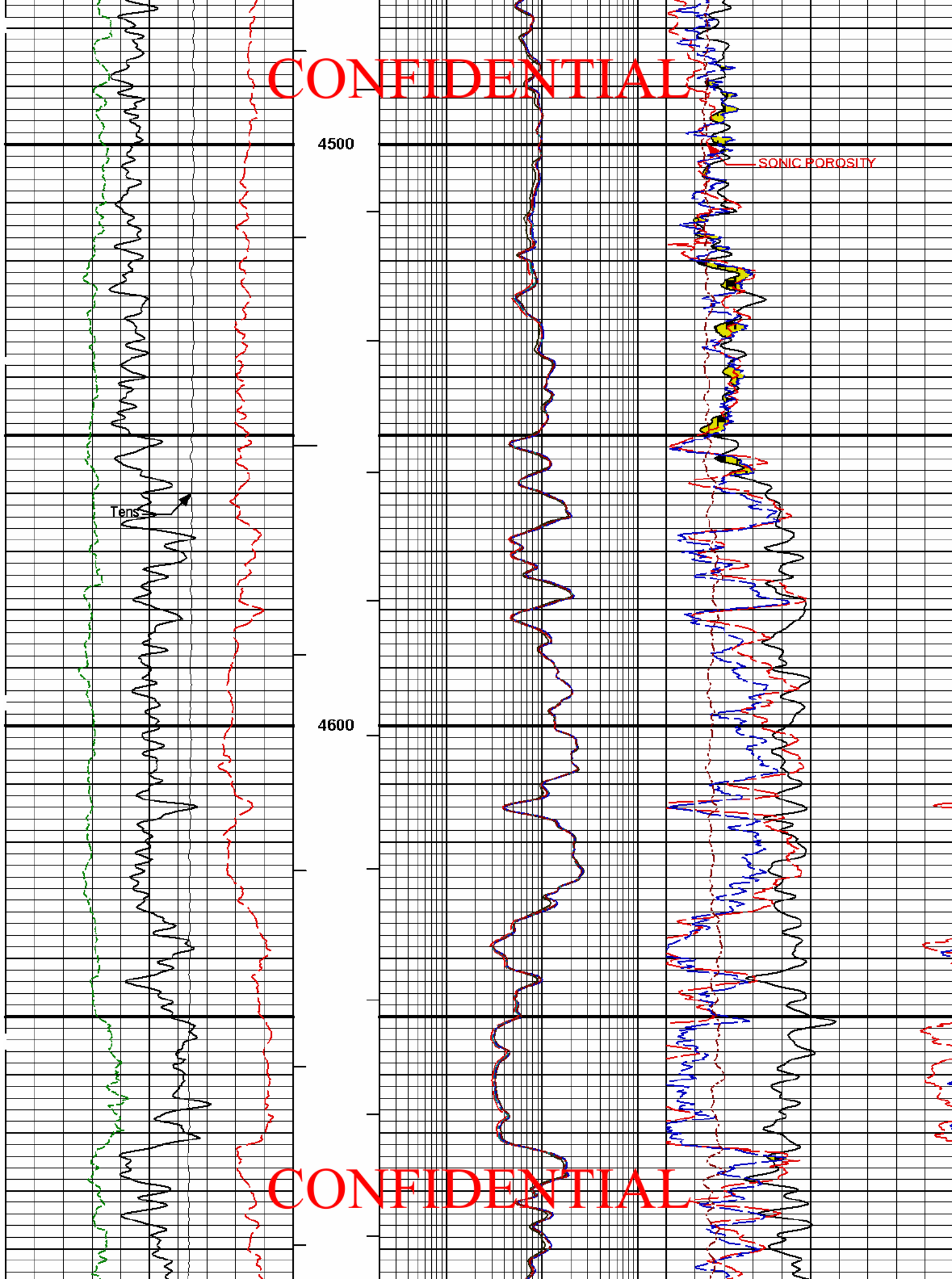
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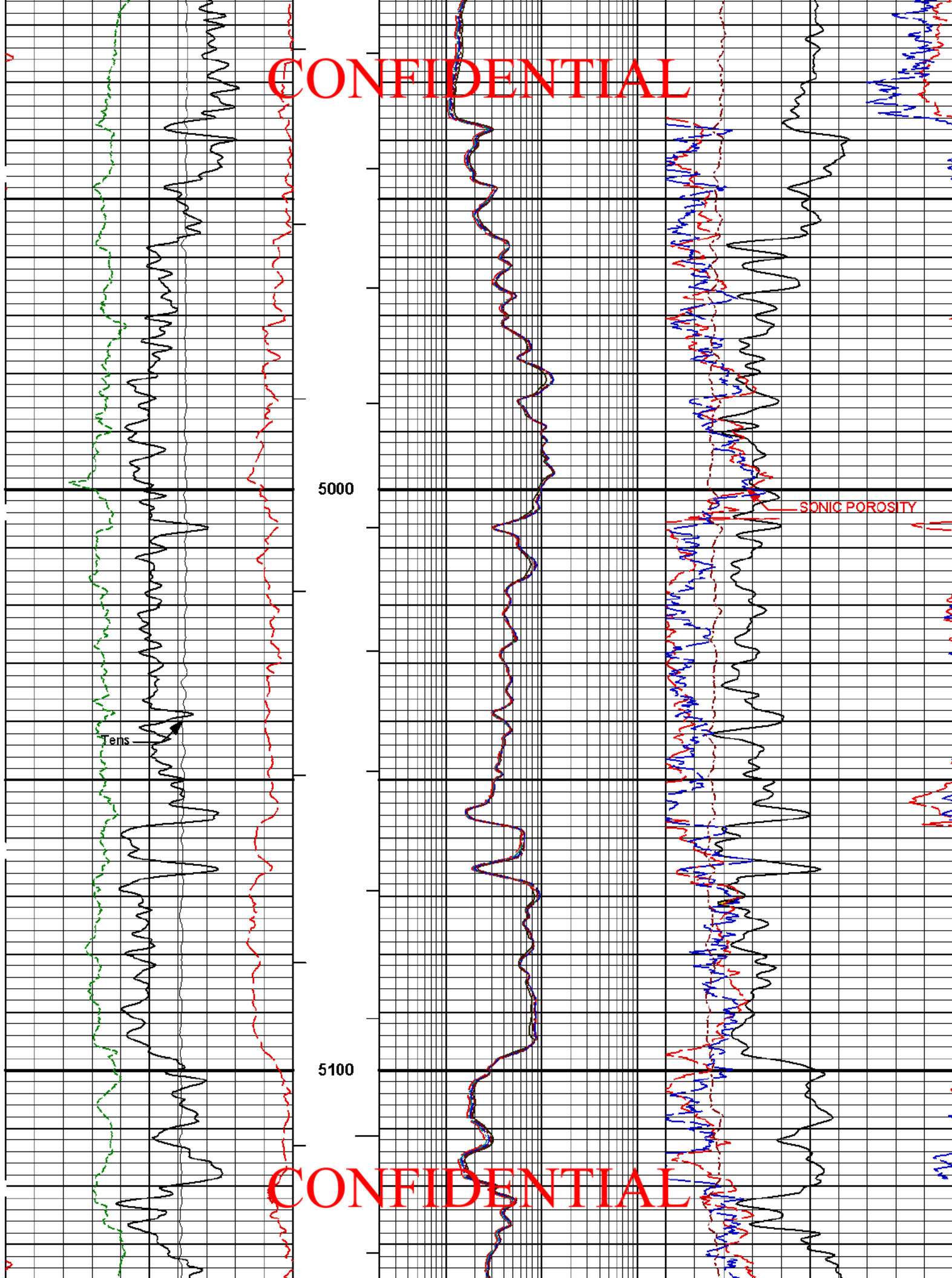
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Tens

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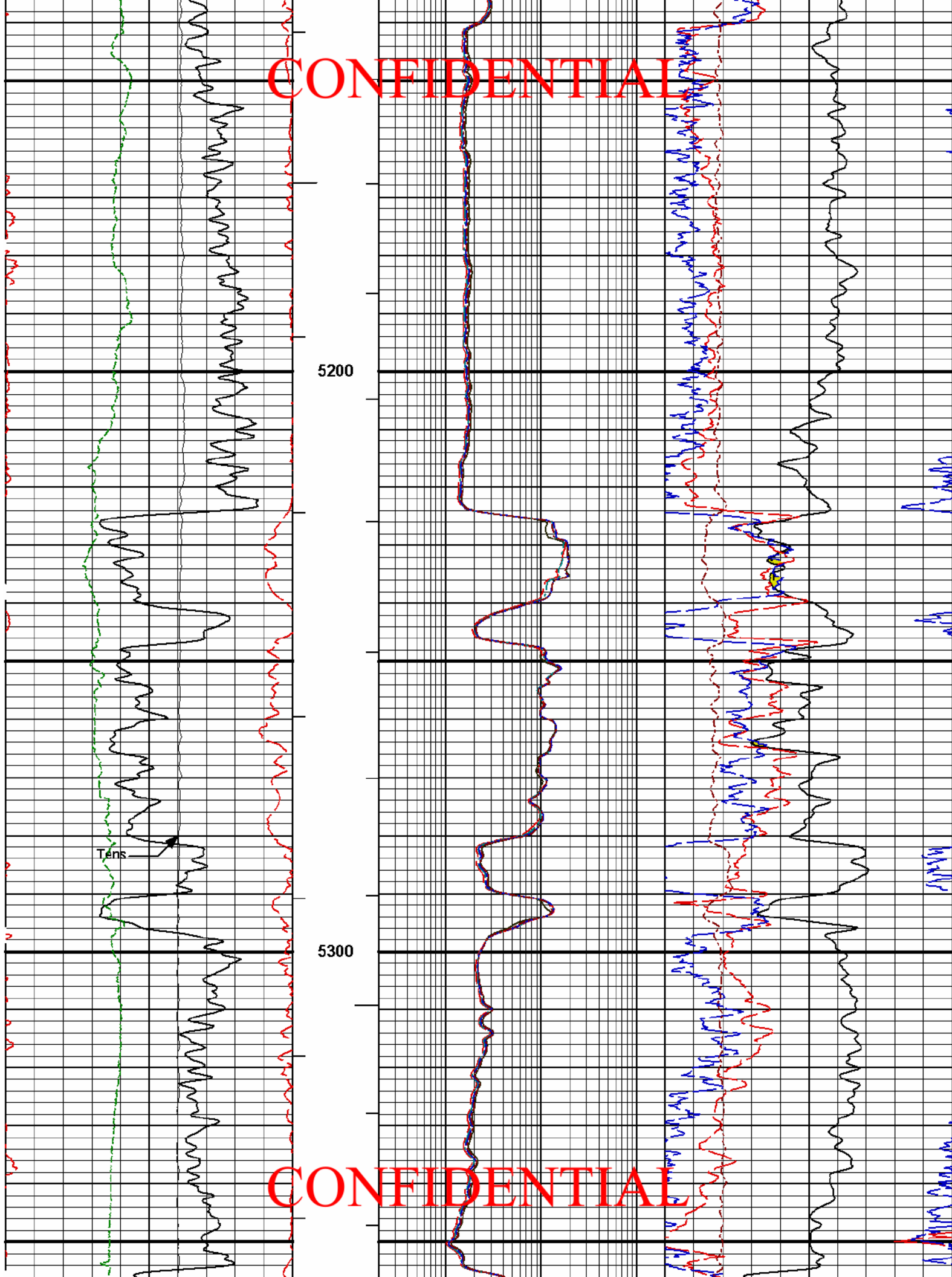
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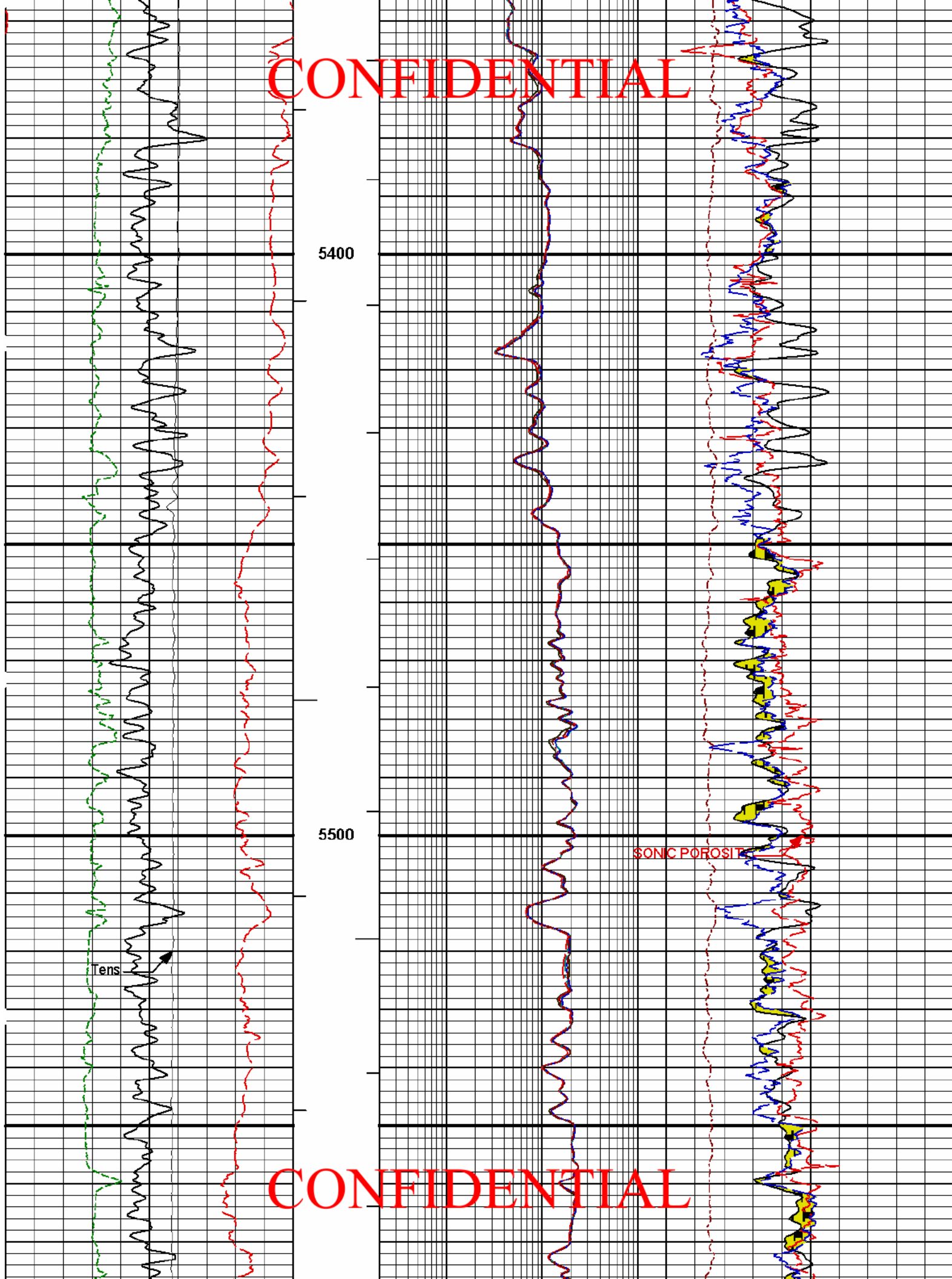
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5300

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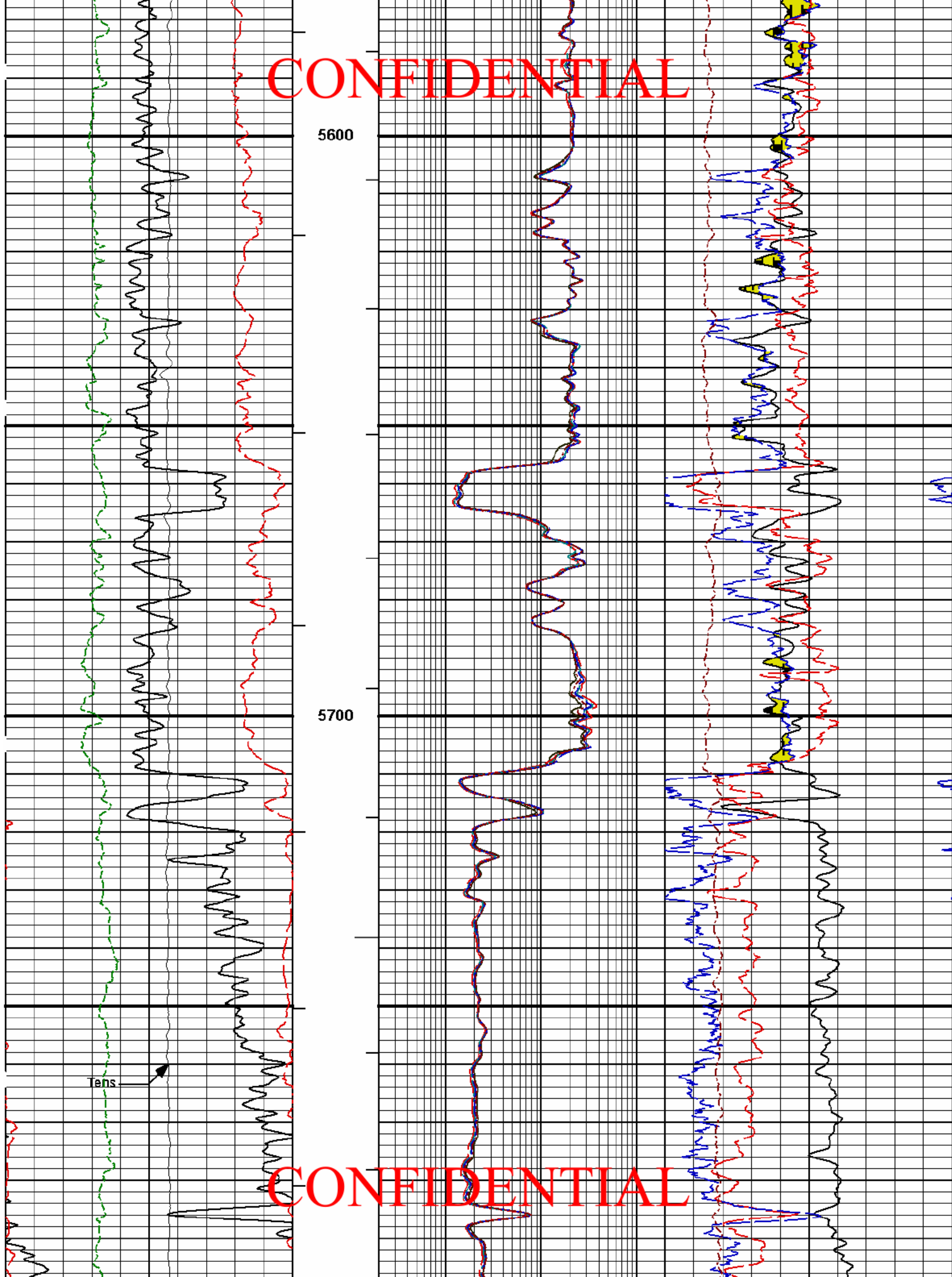
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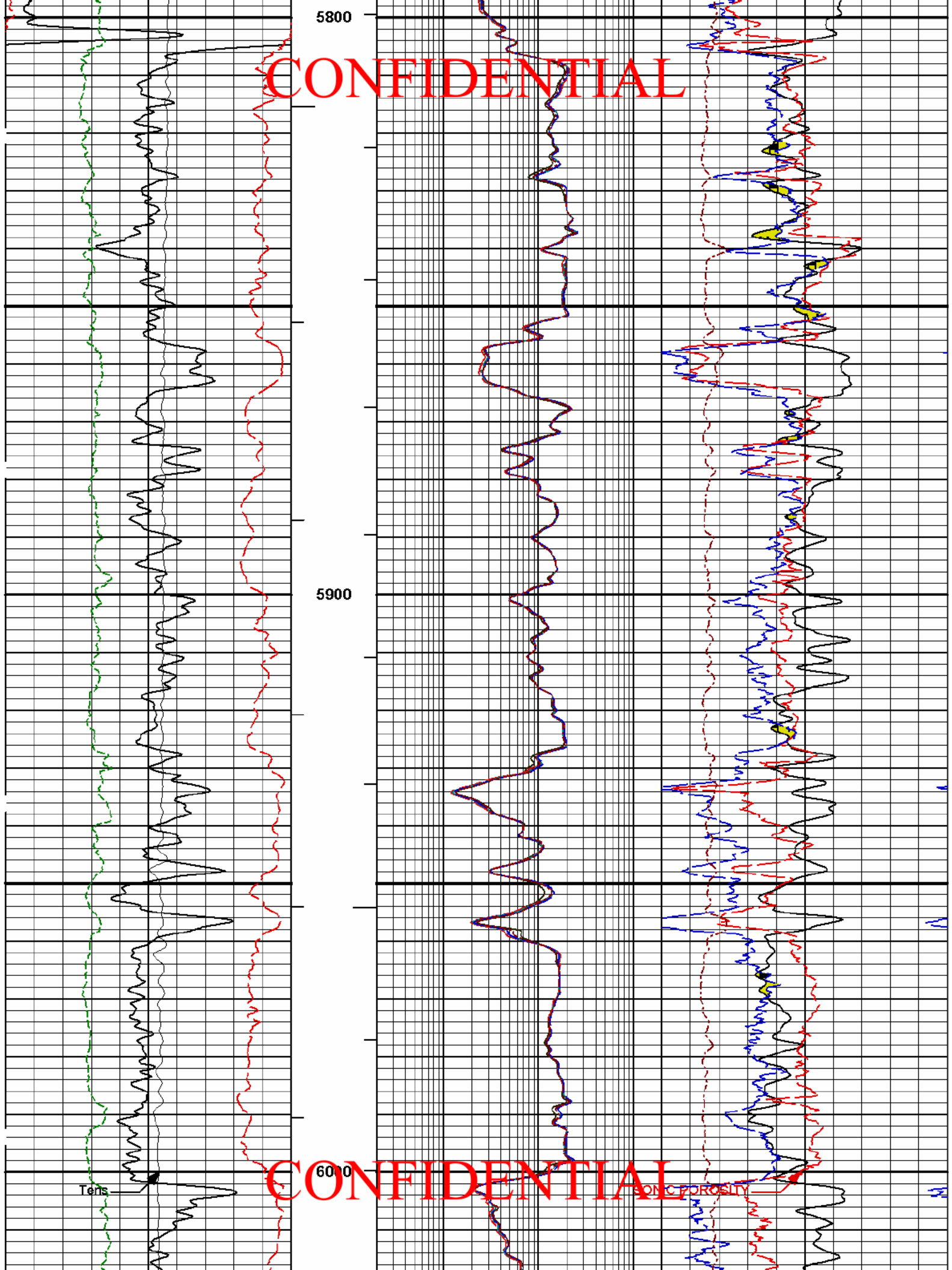
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Tens

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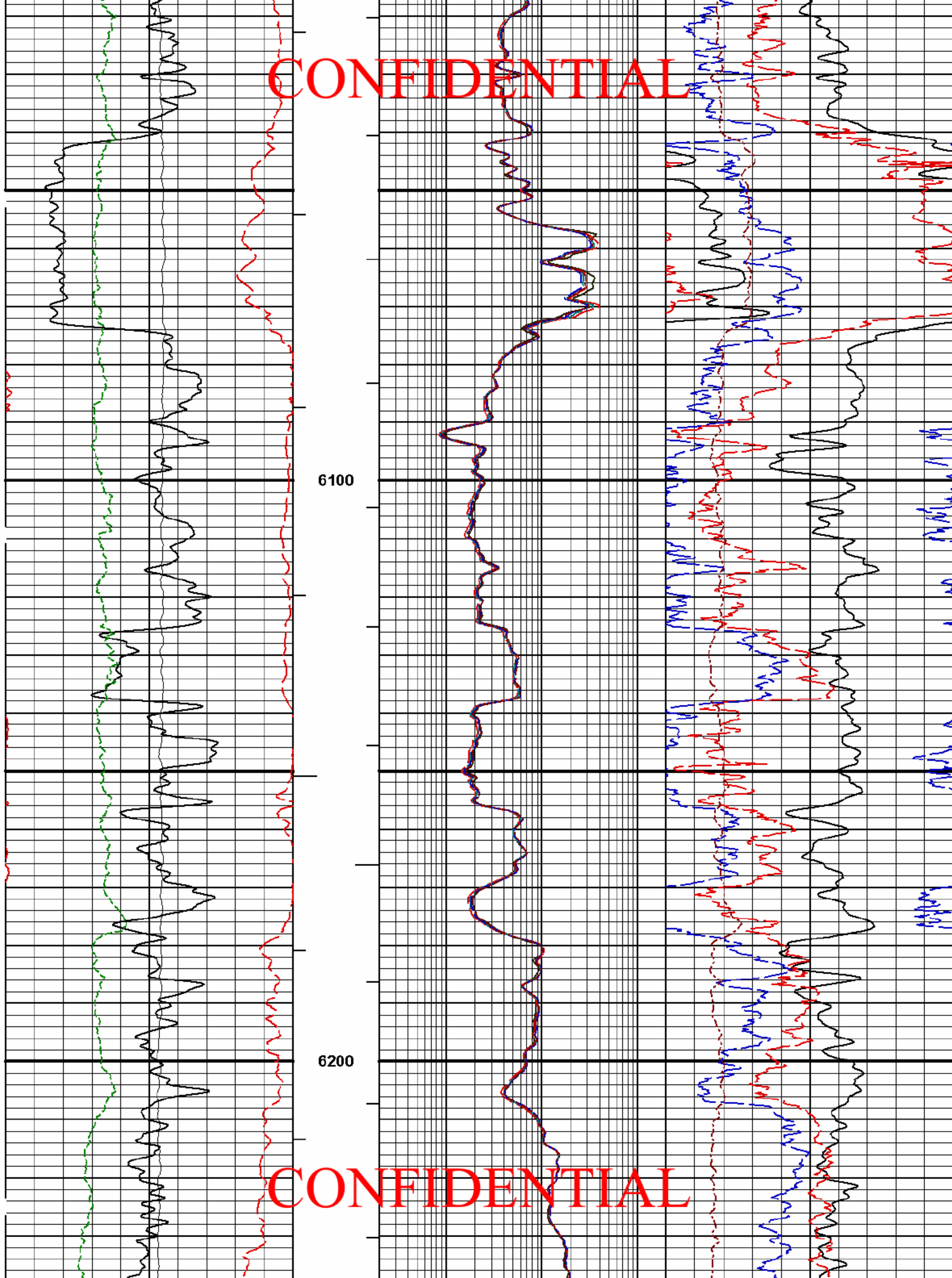


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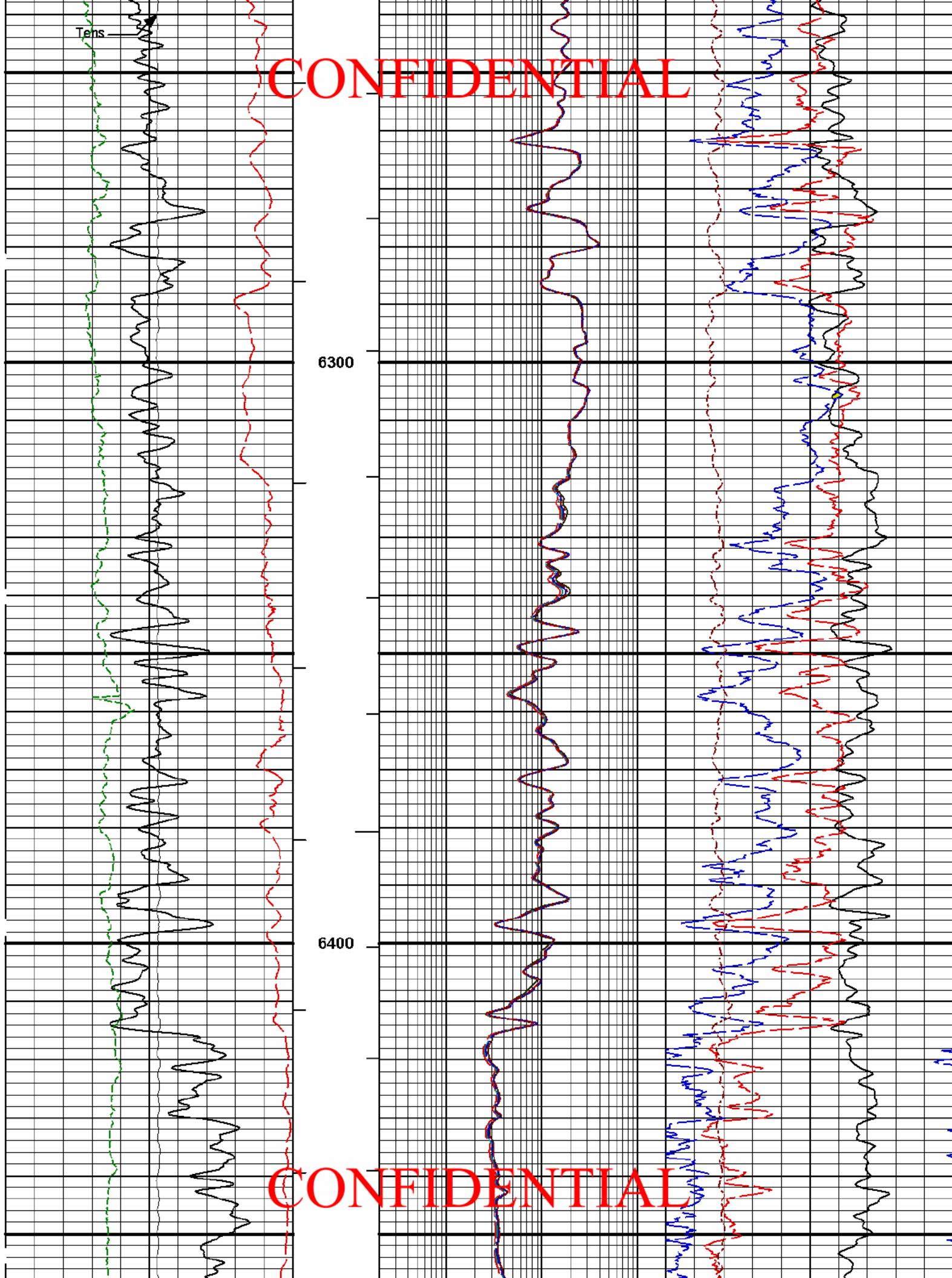
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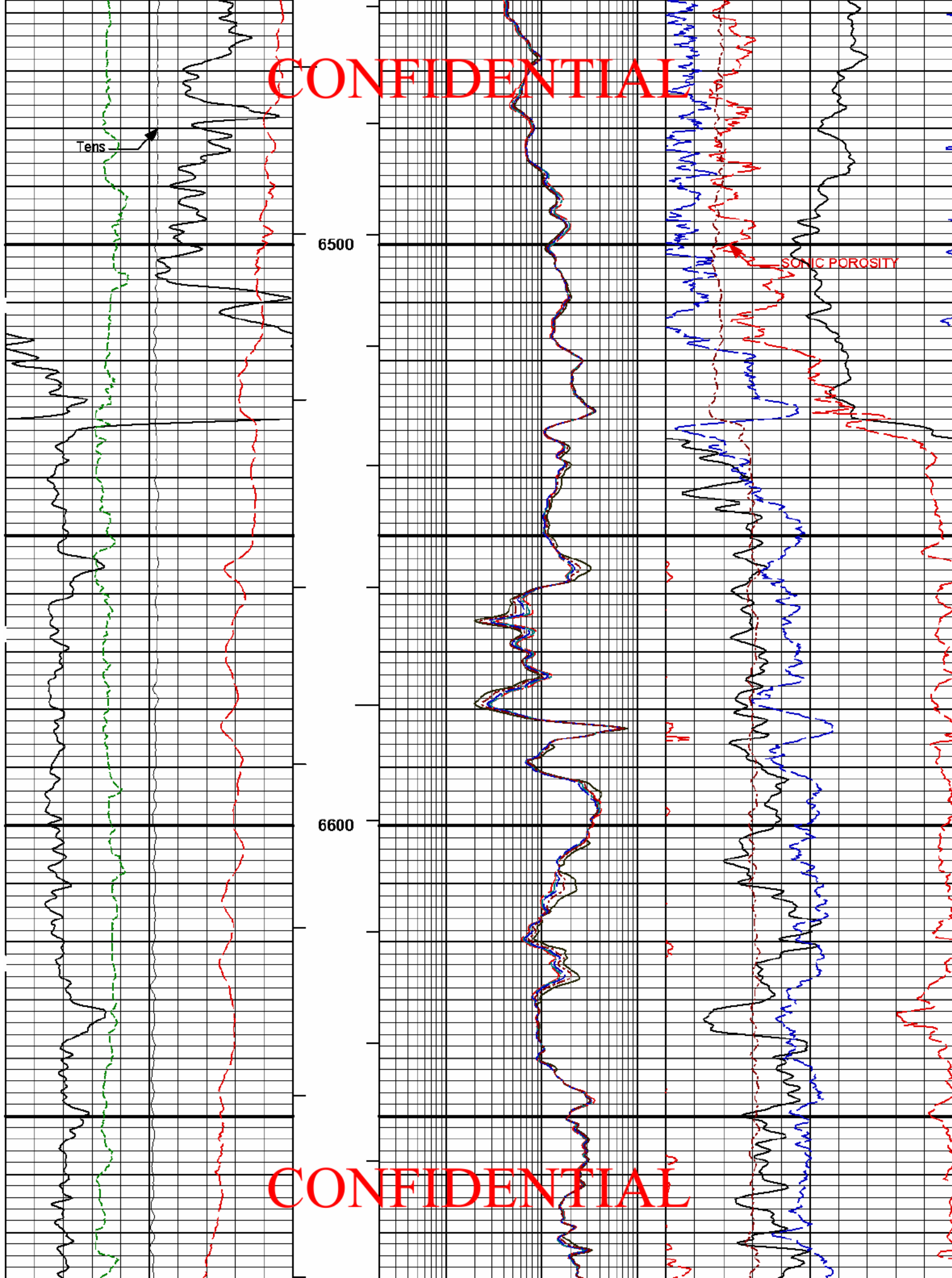


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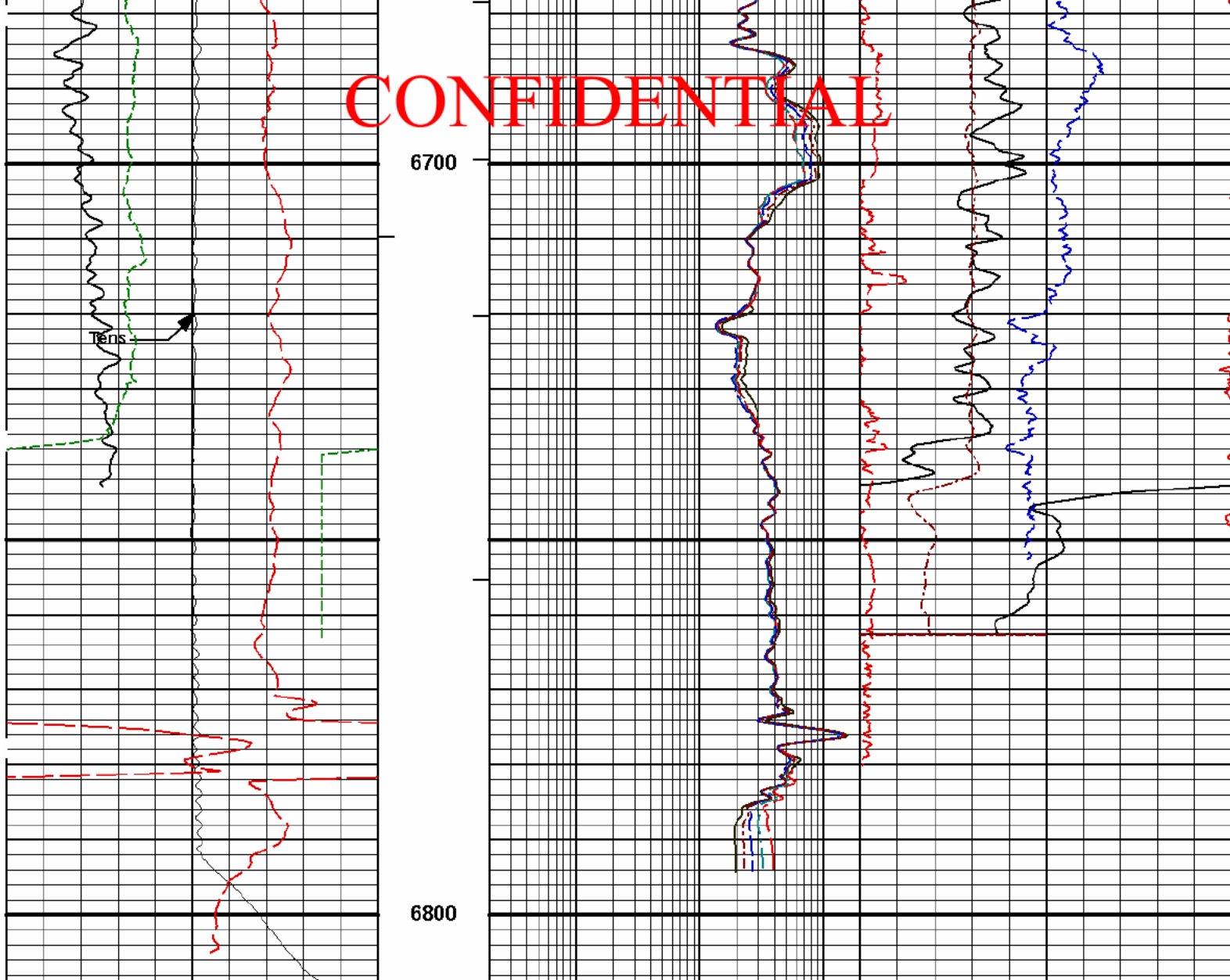
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0	SP	100	1 : 240	0.2	RT90	200	0	Pe	10
	millivolts				Ohm-m				
0	Gamma API	200	BHVT	0.2	RT60	200	40	Density Porosity	0
	api				Ohm-m			pu	
6	Caliper	16	AHVT	0.2	RT30	200	40	SONIC POROSITY	0
	inches				Ohm-m			%	
10K	Tens	0		0.2	RT20	200	40	Neutron Porosity	0
	pounds				Ohm-m			pu	
				0.2	RT10	200			
					Ohm-m				

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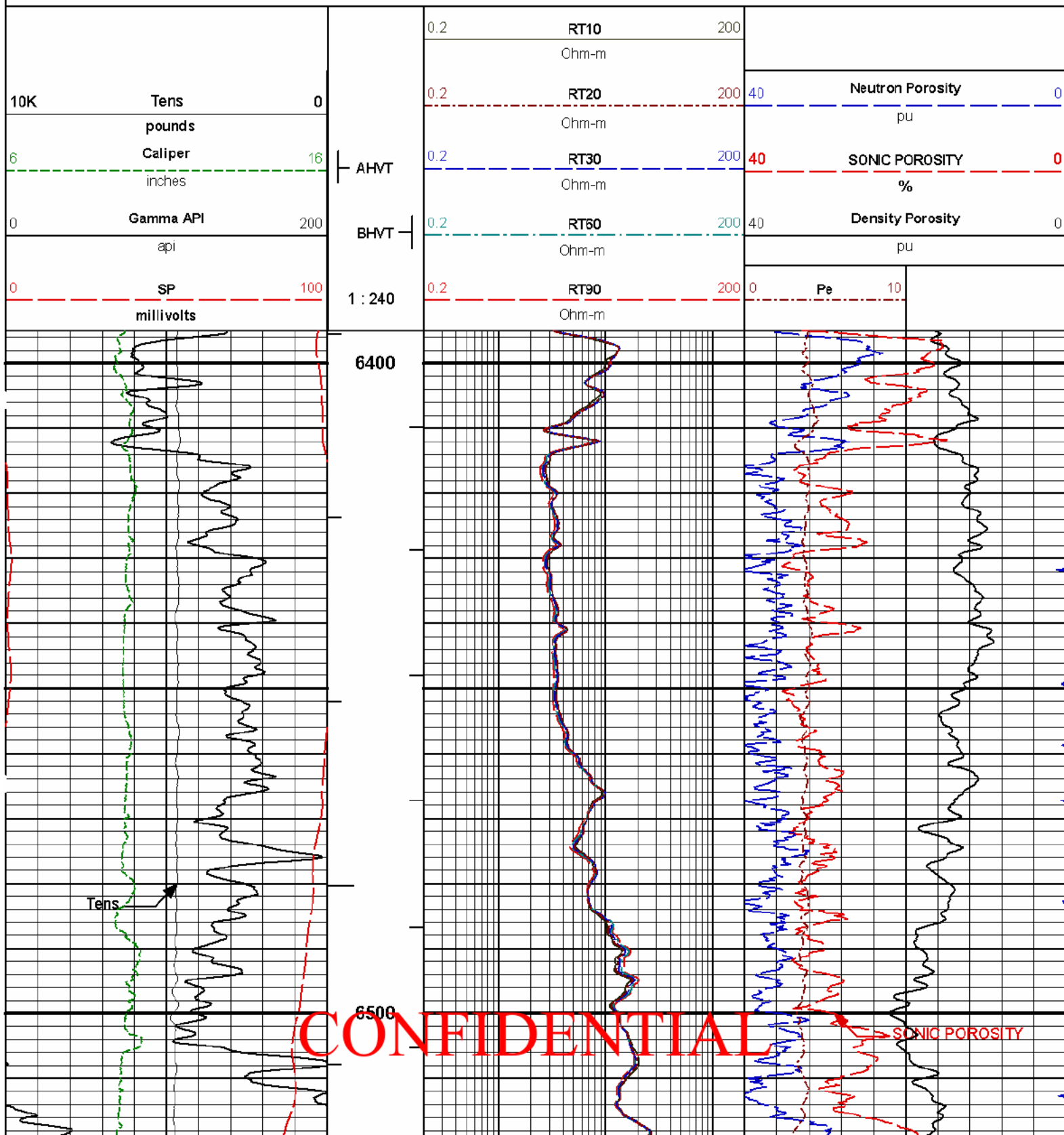
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Plot Range: 98 ft to 6808.92 ft
Data: {ActiveWell}\Well Based\MAIN*
Plot File: \\COMPIQ_COMPOSITE_ACRT_5IN_RM

MAIN PASS 5" = 100'

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MAIN PASS 5" = 100'



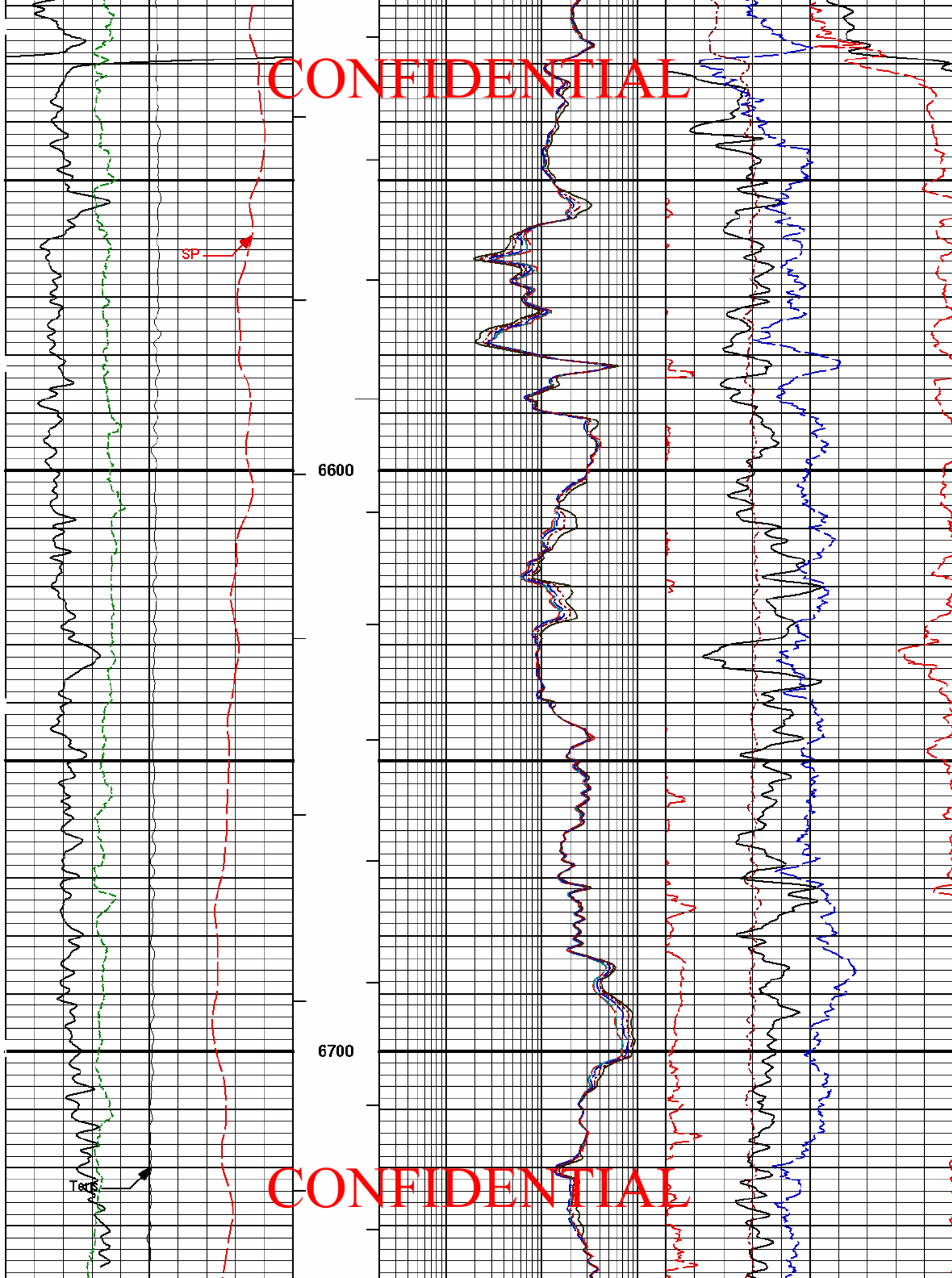
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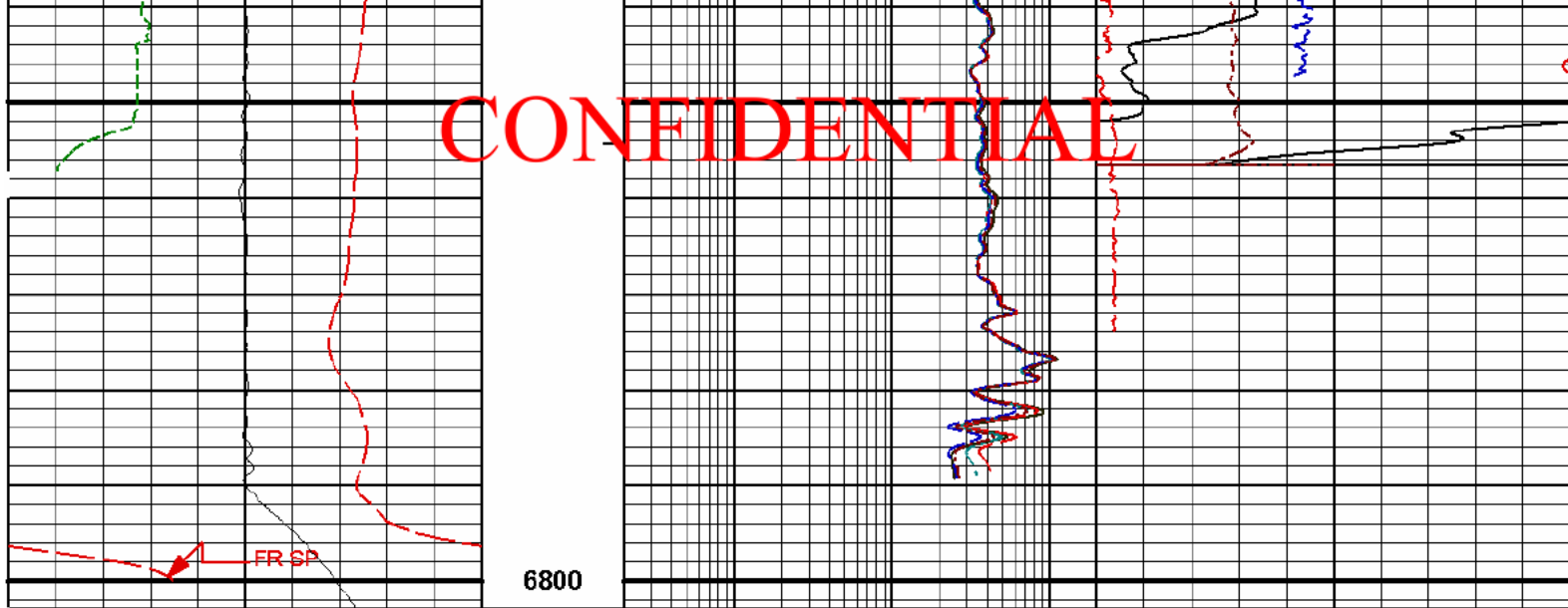
6600

6700

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0	SP	100	1 : 240	0.2	RT90	200	0	Pe	10
	millivolts				Ohm-m				
0	Gamma API	200	BHVT	0.2	RT60	200	40	Density Porosity	0
	api				Ohm-m			pu	
6	Caliper	16	AHVT	0.2	RT30	200	40	SONIC POROSITY	0
	inches				Ohm-m			%	
10K	Tens	0		0.2	RT20	200	40	Neutron Porosity	0
	pounds				Ohm-m			pu	
				0.2	RT10	200			
					Ohm-m				

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Plot Time: 13-Mar-10 14:21:48
Plot Range: 6395 ft to 6802.92 ft
Data: {ActiveWell}\Well Based\REPEAT1*
Plot File: \COMP10_COMPOSITE_ACRT_5IN_RM

MAIN PASS 5" = 100'

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 10842354

Reference Calibration Date: 03-Feb-10 10:31:34

Engineer: B. DRAKE

Calibration Date: 01-Mar-10 10:02:16

Software Version: WL INSITE R2.6.1 (Build 9)

Calibration Version: 1

Calibrator Source S/N: TB-11

Calibrator API Reference: 296.00 api

Measurement	Measured	Calibrated	Units
Background	50.4	50.1	api
Background + Calibrator	348.0	346.1	api
Calibrator	295.7	296.0	api

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DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 10839203

Reference Calibration Date: 03-Feb-10 10:14:10

Engineer: B. DRAKE

Calibration Date: 01-Mar-10 10:16:26

Software Version: WL INSITE R2.6.1 (Build 9)

Calibration Version: 1

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Logging Source S/N: DSN-431

Tank Serial Number: 105039

Reference value assigned to Tank: 55.000

Snow Block S/N: 35626

Calibration Tank Water Temperature: 63 degF

Min. Tool Housing Outside Diameter: 3.563 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	1.033	1.029	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)

Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2307	0.2295	0.0011	+/- 0.0020
Calibrated Ratio:	10.39	10.35	0.038	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0736	0.02000 - 0.09000

PASS/FAIL SUMMARY

Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT - 10733075

Reference Calibration Date: 03-Feb-10 09:10:49

Engineer: B. DRAKE

Calibration Date: 01-Mar-10 10:45:51

Software Version: WL INSITE R2.6.1 (Build 9)

Calibration Version: 1

Logging Source S/N: 5116 GW

Aluminum Block S/N: ACDB-C034

Density: 2.606g/cc

Pe: 3.100

Magnesium Block S/N: 63373

Density: 1.683g/cc

Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0505	1.0552	0.90 - 1.10
Near Dens Gain	1.0256	1.0271	0.90 - 1.10
Near Peak Gain	1.0191	1.0348	0.90 - 1.10
Near Lith Gain	1.0101	1.0153	0.90 - 1.10
Far Bar Gain	1.0177	1.0220	0.90 - 1.10
Far Dens Gain	1.0068	1.0086	0.90 - 1.10
Far Peak Gain	1.0047	1.0035	0.90 - 1.10
Far Lith Gain	0.9838	0.9712	0.90 - 1.10
Near Bar Offset	-0.3634	-0.4089	NONE
Near Dens Offset	-0.1447	-0.1602	NONE

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Near Peak Offset	-0.0894	-0.2252	NONE
Near Lith Offset	-0.0681	-0.1194	NONE
Far Bar Offset	-0.1252	-0.1668	NONE
Far Dens Offset	-0.0460	-0.0616	NONE
Far Peak Offset	-0.0468	-0.0330	NONE
Far Lith Offset	0.0743	0.1242	NONE

Near Bar Background	905.67	900.15	700 - 1450
Near Dens Background	299.74	296.81	230 - 480
Near Peak Background	127.65	128.57	100 - 210
Near Lith Background	160.66	160.70	125 - 260
Far Bar Background	542.19	537.05	450 - 900
Far Dens Background	209.67	209.70	175 - 345
Far Peak Background	82.20	83.03	70 - 140
Far Lith Background	86.62	86.26	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.684	1.683	-0.001	+/- 0.015
Pe	2.549	2.594	0.045	+/- 0.150
ALUMINUM				
Density (g/cc)	2.605	2.606	0.001	+/- 0.01500
Pe	3.050	3.100	0.050	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0017	+/- 0.0110	-0.0027	+/- 0.0140
Magnesium Block	0.0003	+/- 0.0110	-0.0017	+/- 0.0140
Aluminum Block	-0.0007	+/- 0.0110	0.0006	+/- 0.0140
Resolution	10.17	6.00 - 11.50	9.29	6.00 - 11.50
Internal Verifier(B+D+P+L)	1486	1200 - 2700	916	800 - 1700

PASS/FAIL SUMMARY	
Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 10733075 **Reference Calibration Date:** 03-Feb-10 14:14:27
Engineer: B. DRAKE **Calibration Date:** 01-Mar-10 11:05:05
Software Version: WL INSITE R2.6.1 (Build 9) **Calibration Version:** 1

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On

Measurement	Previous Value	New Value	New Value
Pad Offset	-2083.81	-2165.76	-7000.00 - -1000.00
Pad Gain	0.0003743	0.0003838	0.000200 - 0.000600
Arm Offset	-2811.99	-2894.72	-5000.00 - 3000.00
Arm Gain	0.0005292	0.0005580	0.000300 - 0.000700
Arm Power	-0.000003140	-0.000004926	-0.000010 - 0.000010

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The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	1.98	2.00	0.02	+/- 0.20
Medium Ring (in)	3.69	3.75	0.06	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.48	6.50	0.02	+/- 0.20
Medium Ring (in)	8.17	8.25	0.08	+/- 0.20
Large Ring (in)	14.95	15.00	0.05	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed
PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRT - I487S483

Reference Calibration Date: 18-Dec-09 11:42:48

Engineer: D. CULVER

Calibration Date: 18-Dec-09 13:22:32

Software Version: WL INSITE R2.4 (Build 20)

Calibration Version: 1

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0268	1.05	0.95	1.0090	1.05	0.95	1.0007	1.05
A2 (50")	0.95	1.0034	1.05	0.95	1.0001	1.05	0.95	0.9971	1.05
A3 (29")	0.95	0.9967	1.05	0.95	0.9955	1.05	0.95	0.9911	1.05
A4 (17")	0.95	0.9900	1.05	0.95	0.9872	1.05	0.95	0.9861	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9805	1.05	0.95	0.9773	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9613	1.05	0.95	0.9584	1.05

TYPICAL SONDE OFFSET RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	2.542	2	-6	-3.207	-2	-8	-6.314	-2
A2 (50")	-7	-0.789	-2	-6	-3.642	-2	-7	-4.887	-2
A3 (29")	-27	-9.205	-9	-9	-2.656	-3	-7	-3.493	-1
A4 (17")	-180	-98.029	-60	-45	-33.105	-15	-39	-25.828	-13
A5 (10")	N/A	N/A	N/A	-150	-97.687	-50	-80	-47.377	-10
A6 (6")	N/A	N/A	N/A	175	362.363	525	90	179.372	270

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TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
40K	0.0	0.0000	1.0		Med Cell	0.05	1.001	1.05

12K	0.0	0.0909	1.0	Mud Cell	0.93	1.001	1.00
36K	1.0	1.8649	2.0				
72K	1.0	1.1378	2.0				

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CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10842354						
Gamma Ray Calibrator	296.0	-----	-----	0.0	+/- 9.00	api
DSNT-10839203						
Snow-Block Porosity	0.0736	-----	-----	0.0000	+/- -.-	decg
SDLT-10733075						
Near(B+D+P+L)	1486.222	-----	-----	0.000	+/-13.591	cps
Far(B+D+P+L)	916.044	-----	-----	0.000	+/-14.885	cps
Pad Extension	3.75	-----	-----	0.00	+/-0.20	in
Ring Diameter	8.25	-----	-----	0.00	+/-0.20	in
ACRt-1487S483						
Mud Cell	1.001	-----	-----	0.000	-----	ohm-m

Data: BDG_ML_INV_1_1010001 QUADWIDE

Date: 13-Mar-10 13:00:38

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TOOL STRING DIAGRAM REPORT

Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-100011649 135.00 lbs	Ø 3.625 in		Load Cell @ 74.36 ft BH Temperature @ 73.80 ft	6.25 ft	78.05 ft
GTET-10842354 165.00 lbs	Ø 3.625 in		GammaRay @ 65.74 ft	8.52 ft	71.80 ft
DSNT-10839203 174.00 lbs	Ø 3.625 in		DSN Far @ 56.34 ft DSN Near @ 55.59 ft	9.69 ft	63.28 ft
					53.59 ft

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SDLT-10733075
360.00 lbs

Ø 4.500 in →

10.81 ft

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SDL Microlog @ 45.78 ft
SDL Caliper @ 45.59 ft
SDL @ 45.58 ft

Ø 4.750 in →

IQ Flex-FLEX Y
140.00 lbs

Ø 3.625 in →

5.67 ft

42.78 ft

37.11 ft

BSAT-10939067
300.00 lbs

Ø 3.625 in →

← Sonic Receivers @ 28.59 ft

15.77 ft

21.33 ft

ACRt-1487S483
250.00 lbs

Ø 3.625 in →

← Mud Resistivity @ 14.94 ft

19.25 ft

← ACRt @ 10.96 ft

← SP @ 3.36 ft

Hole Finder-HoleFinder
50.00 lbs

Ø 2.800 in
Ø 3.625 in →

2.08 ft
2.08 ft
0.00 ft

Tool Name		Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max. Log. Speed (fpm)
Mnemonic						
RWCH	Releasable Wireline Cable Head	100011649	135.00	6.25	71.80	300.00
GTET	Gamma Telemetry Tool	10842354	165.00	8.52	63.28	60.00
DSNT	Dual Spaced Neutron	10839203	174.00	9.69	53.59	60.00
DCNT	DSN Decentralizer	11004663	6.60	5.13 *	56.92	300.00

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SDLT	Spectral Density Tool	10733075	360.00	10.81	42.78	60.00
IQF	IQ Flex tool	FLEXY	140.00	5.67	37.11	300.00
BCAS	Borehole Sonic Array Tool	10939067	300.00	15.77	21.33	60.00
OBCEN	Centralizer - 25 in. Overbody	DEC_002	8.00	2.08	*	34.67
ACRt	Array Compensated True Resistivity	1487S463	250.00	19.25	2.08	300.00
SP	SP Ring	1	0.00	0.25	*	3.36
OBCEN	Centralizer - 25 in. Overbody	DEC_001	8.00	2.08	*	21.28
HFND	Hole Finder	HoleFinder	50.00	2.08	0.00	300.00
Total			1,596.60	78.05		
Data: BDG_ML_INV_1_1010001 QUADWIDE			* Not included in Total Length and Length Accumulation.			
			Date: 13-Mar-10 08:59:43			

COMPANY	BRIDGE ENERGY, LLC		
WELL	ML INVESTMENTS 1-10		
FIELD	WILDCAT		
COUNTY	PAYETTE	STATE	IDAHO
HALLIBURTON		DUAL SPACED NEUTRON SPECTRAL DENSITY BOREHOLE COMP SONIC ARRAY COMPENSATED TRUE RESISTIVITY	

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